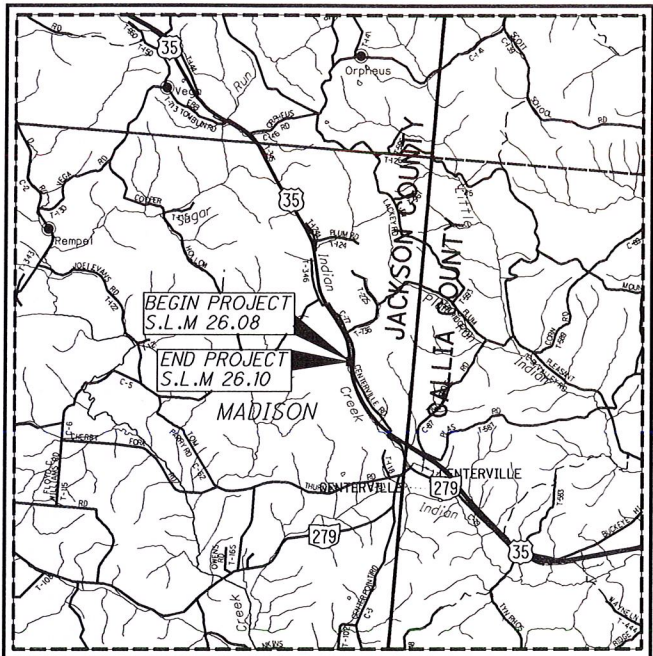


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

JAC-35-26.10

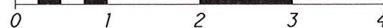
MADISON TOWNSHIP
JACKSON COUNTY



LOCATION MAP

LATITUDE: 38°54'56"N LONGITUDE: -82°27'39"W

SCALE IN MILES



PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

CURRENT ADT (2020)	13,000
DESIGN YEAR ADT (2040)	13,000
DESIGN HOURLY VOLUME (2040)	1,300
DIRECTIONAL DISTRIBUTION	60%
TRUCKS (24 HOUR B&C)	41%
DESIGN SPEED	60 MPH
LEGAL SPEED	60 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
3 - PRINCIPAL ARTERIAL (RURAL)	
NHS PROJECT	YES

DESIGN EXCEPTIONS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT 9 ENGINEERING

ENGINEERS SEAL:

STATE OF OHIO
REGISTERED
PROFESSIONAL ENGINEER
MATTHEW C. MCCLELLAN
E-77959

SIGNED: *Matthew C. McClellan*
DATE: 6/24/19

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-3.1	7/18/14	DS-1-92	7/18/03			800	7/19/19	
BP-9.1	1/18/19	PCB-91	1/18/13			821	4/20/12	
		SBR-1-13	7/20/18			832	10/19/18	
DM-4.3	1/15/16					848	1/20/17	
		MT-95.30	4/19/19			921	4/20/12	
MGS-1.1	1/19/18	MT-95.40	1/20/17					
MGS-2.1	1/19/18	MT-101.70	7/20/18					
MGS-3.1	1/19/18	MT-101.75	7/15/16					
MGS-5.3	7/15/16	MT-101.90	7/21/17					
MGS-6.1	1/19/18	MT-102.10	1/18/19					
		MT-105.10	7/19/13					
RM-4.2	7/20/18							
		TC-61.30	1/20/17					
AS-1-15	7/17/15	TC-65.10	1/17/14					
AS-2-15	1/19/18	TC-65.11	7/21/17					
CS-1-08	1/19/18							

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF IMPROVING THE STRUCTURE JAC-35-2610 L&R BY ADDING NEW APPROACH SLABS, CONCRETE PARAPETS, AND A NEW WEARING SURFACE. THE EXISTING GUARDRAIL WILL ALSO BE REMOVED AND REPLACED IN THIS PROJECT.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A
(MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A
(MAINTENANCE PROJECT)
NOTICE OF INTENT EARTH DISTURBED AREA: N/A
(MAINTENANCE PROJECT)

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED: *Matthew C. McClellan*
DATE: 06-24-2019
DISTRICT DEPUTY DIRECTOR

APPROVED: _____
DATE: _____
DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO.
E161 (495)

PID NO.
102448

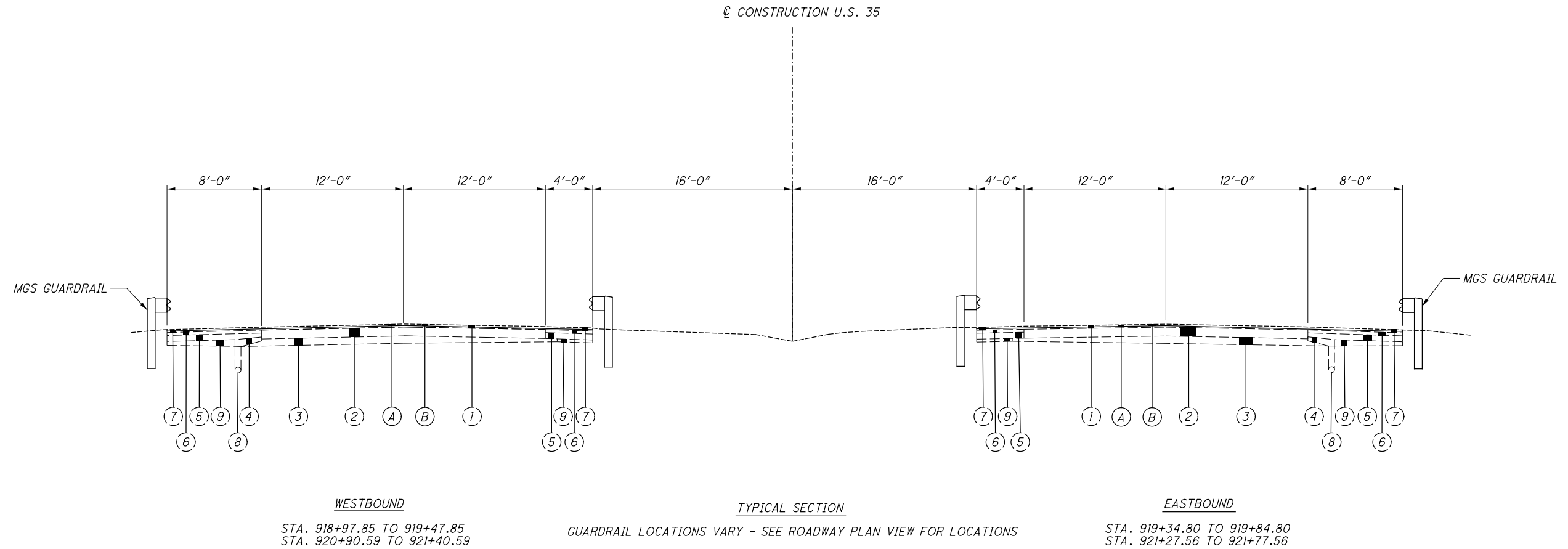
CONSTRUCTION PROJECT NO.
0

RAILROAD INVOLVEMENT
NONE

JAC-35-26.10

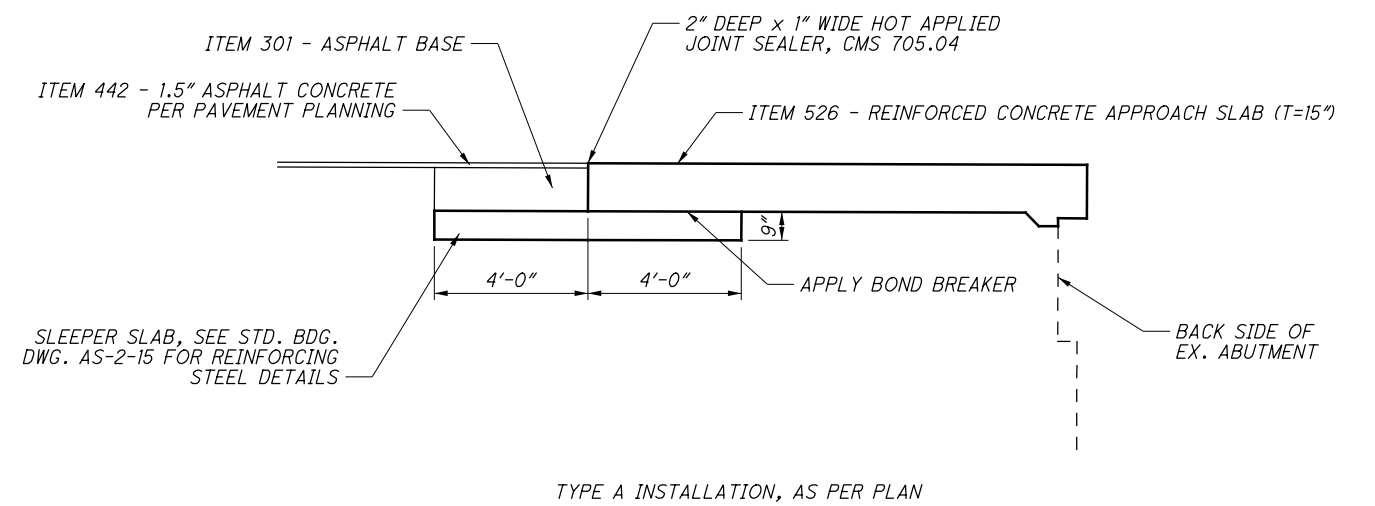
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LEGEND - TYPICAL ROADWAY SECTION

- | | |
|---|---|
| (A) ITEM 254 - PAVEMENT PLANING, ASPALT CONCRETE (1½") | (5) EX. ±6" AGGREGATE BASE |
| (B) ITEM 442 - (1½") ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448) | (6) EX. ±3" BITUMINOUS AGGREGATE BASE |
| (1) EX. ±3" ASPHALT CONCRETE | (7) EX. ±3" ASPHALT CONCRETE SURFACE COURSE |
| (2) EX. ±9" REINFORCED PORTLAND CEMENT CONCRETE | (8) EX. 6" PIPE UNDERDRAIN |
| (3) EX. SUBBASE | (9) EX. SUBBASE |
| (4) EX. DRAINAGE CONNECTION, #8 AGGREGATE | |



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UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET ___ OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: V.R.S.
MONUMENT TYPE: CONCRETE MON.'S (FND)

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: N.A.V.D. 88
GEOID: GEOID12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83/2011 (EPOCH 2010)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, SOUTH ZONE (3402)
COMBINED SCALE FACTOR: 1.000058123
ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

POINT	NORTHING	EASTING	STATION	OFFSET	ELEVATION	DESCRIPTION
SV1	333,964.2954	1,979,918.2249	915+92.25	0.0	688.0870	CMON
SV2	333,270.1970	1,979,998.7170	922+90.00	0.0	684.2100	CMON
SV3	332,865.9162	1,980,060.8664	926+99.14	-0.5646	682.2680	CMON

DISPOSAL OF ASPHALT GRINDINGS

ASPHALT GRINDINGS FROM THIS PROJECT ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ITEM 606 - IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY ONE OF THE TYPE 1 IMPACT ATTENUATORS AS LISTED ON THE OFFICE OF ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE 1 IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19. PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, IMPACT ATTENUATOR, TYPE 1 [(UNIDIRECTIONAL OR BIDIRECTIONAL)], EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED TRANSITIONS, HARDWARE, REFLECTIVE SHEETING AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

PAVING UNDER GUARDRAIL

THIS OPERATION SHALL INCLUDE PREPARATION OF THE GRADED SHOULDER USING ITEM 209, LINEAR GRADING, AS PER PLAN AND PAVING UNDER THE GUARDRAIL USING 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), UNDER GUARDRAIL, AS PER PLAN.

ITEM 209, LINEAR GRADING, AS PER PLAN SHALL CONSIST OF EXCAVATING TOPSOIL, AND PLACING GRANULAR MATERIAL.

ALL COLLECTED DEBRIS AND TOPSOIL, INCLUDING RHIZOMES, ROOTS AND OTHER VEGETATIVE PLANT MATERIAL SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED IN 105.17.

THE REMOVED MATERIAL SHALL BE REPLACED WITH COMPACTABLE GRANULAR MATERIAL CONFORMING TO 703.16 PLACED TO GRADE AS DETAILED ON THE TYPICAL SECTION OR AS APPROVED BY THE ENGINEER.

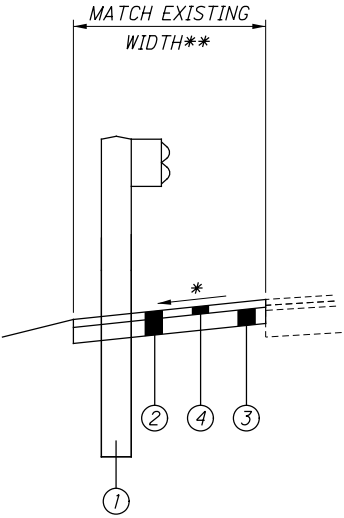
ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 209, LINEAR GRADING, AS PER PLAN.

PAVING UNDER GUARDRAIL SHALL CONSIST OF PLACING ITEM 441 TO THE DEPTH SPECIFIED USING ONE OF THE FOLLOWING METHODS:

- METHOD A:
- SET GUARDRAIL POSTS
 - PLACE ITEM 441
- METHOD B:
- PLACE ITEM 441
 - BORE ASPHALT AT POST LOCATIONS (MAY BE OMITTED IF STEEL POSTS ARE USED)
 - SET GUARDRAIL POSTS
 - PATCH AROUND POSTS. THE MATERIALS USED FOR PATCHING SHALL BE AN ASPHALT CONCRETE APPROVED BY THE ENGINEER. PATCHED AREAS SHALL BE COMPACTED USING EITHER HAND OR MECHANICAL METHODS. FINISHED SURFACES SHALL BE SMOOTH AND SLOPED TO DRAIN AWAY FROM THE POSTS.

PAVING UNDER GUARDRAIL (CONT.)

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE, WITH THE EXCEPTION OF SETTING GUARDRAIL POSTS, SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 441, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1 (448), UNDER GUARDRAIL, AS PER PLAN.



* MATCH THE EXISTING CROSS SLOPES
** 4'-0" WAS USED FOR CALCULATION PURPOSES

- ① 606 GUARDRAIL, TYPE MGS
- ② 209 LINEAR GRADING, AS PER PLAN
- ③ 209 4" BORROW
- ④ 448 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, UNDER GUARDRAIL, PG64-22, AS PER PLAN

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

- 659, SEEDING AND MULCHING..... 1,000 SQ. YD.
- 659, REPAIR SEEDING AND MULCHING..... 50 SQ. YD.
- 659, COMMERCIAL FERTILIZER..... 0.14 TON
- 659, LIME..... 0.21 ACRES
- 659, WATER..... 5.4 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

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ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE 11 FOOT LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED ON U.S. 35 AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, AND TEMPORARY SURFACES USING ITEM 614.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 20 CY

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAME(S) AND TELEPHONE NUMBER(S) OF A PERSON OR PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS PER DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NONGATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER,

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED." PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLESTACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

QUANTITIES FOR THIS WORK ARE SHOWN ON SHEET 5.

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL AND ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET WITH A 25 FOOT OFFSET FROM THE BARRIER REFLECTORS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 3 (ONE-WAY) 16 EACH

ITEM 614, OBJECT MARKER, ONE-WAY 16 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

SHOULDER RUMBLE STRIPS

TRAFFIC SHALL NOT BE REQUIRED TO USE ANY PAVED BERMS FOR MAINTENANCE OF TRAFFIC OPERATIONS UNTIL THE EXISTING SHOULDER RUMBLE STRIPS HAVE BEEN REMOVED AND REPLACED WITH ITEM 448, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22 (1" THICK). QUANTITIES HAVE BEEN PROVIDED BELOW TO PLANE THE EXISTING SHOULDERS 2 FEET WIDE AND 1 INCH DEEP IN THE AREAS WHERE THE EXISTING RUMBLE STRIPS OCCUR. THIS AREA SHALL RECEIVE AN APPLICATION OF ITEM 407 TACK COAT PRIOR TO THE PLACEMENT OF THE ASPHALT CONCRETE SURFACE COURSE.

THE QUANTITIES BELOW ARE BASED ON THE FOLLOWING:

STA. 906+10 TO STA. 926+66 - EASTBOUND RIGHT LANE
STA. 909+29 TO STA. 923+65 - EASTBOUND LEFT LANE
STA. 914+13 TO STA. 934+70 - WESTBOUND RIGHT LANE
STA. 917+13 TO STA. 931+50 - WESTBOUND LEFT LANE

ITEM 254, PAVEMENT PLANNING, ASPHALT CONCRETE, (1" DEEP) (6986 FT. - (4 x 92.75 FT.)x 2 FT. / 9) = 1,470 SY

ITEM 441, ASPAHLT CONCRETE SURFACE COURSE, TYPE 1, (448) PG64-22 (1" THICK) (6986 FT.- (4 x 92.75 FT.) x 0.083 FT. x 2 FT. / 27) = 41 CY

ITEM 407, TACK COAT (@ 0.085 GAL. PER SQ. YD.) (1,470 SY x 0.085) = 125 GAL.

ITEM 618, RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE) 6,986 FT.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 CALENDAR DAYS PRIOR TO CLOSURE
START OF CONST. & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

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ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN A NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING THE SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONT.)

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

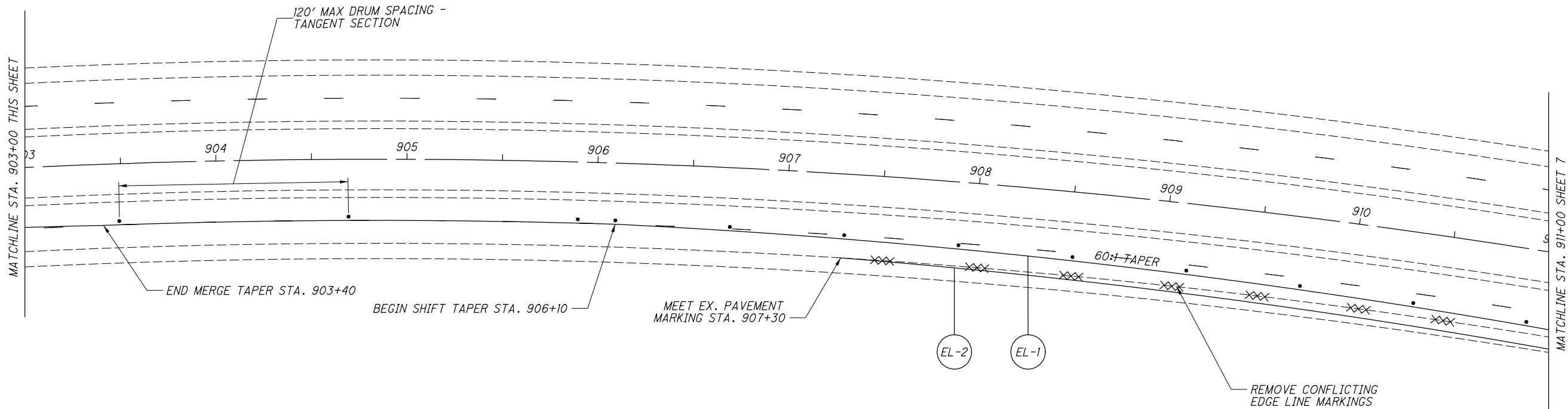
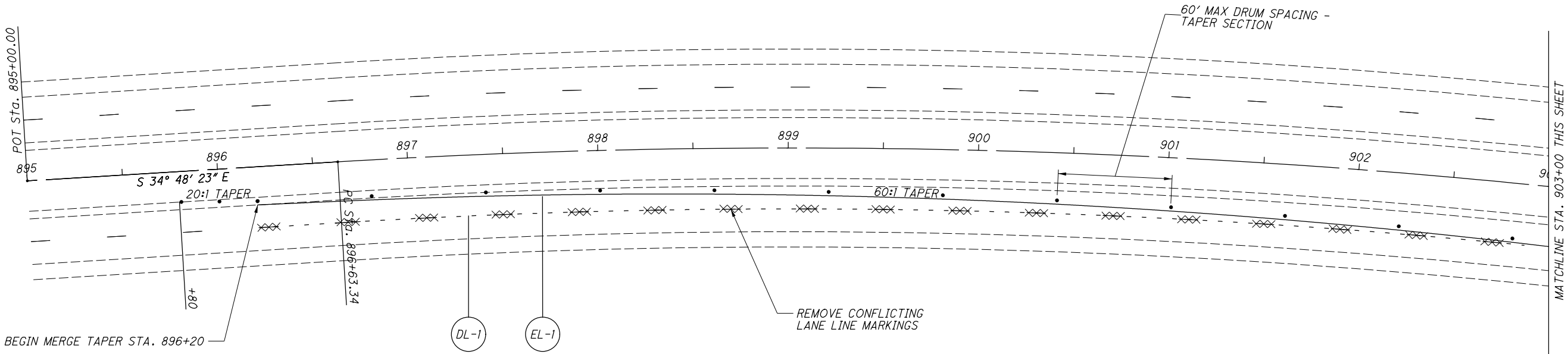
ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 32 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

REF NO.	SHEET NO.	STATION TO STATION			614	614	614	614	614	614			622	622
					INCREASED BARRIER DELINEATION	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1	OBJECT MARKER, ONE WAY	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE I	WORK ZONE DOTTED LINE, CLASS I, 6", 740.06, TYPE I			PORTABLE BARRIER, 32"	PORTABLE BARRIER, 32", BRIDGE MOUNTED
					FT	EACH	EACH	EACH	MILE	MILE			FT	FT
		PHASE 1												
DL-1		896+20	TO	903+40						0.14				
DL-2		937+40	TO	944+60						0.14				
EL-1		896+20	TO	926+86					0.58					
EL-2		907+30	TO	925+66					0.35					
EL-3		913+93	TO	944+60					0.58					
EL-4		915+13	TO	933+50					0.35					
PB-1		917+22	TO	921+46	220	1	9	9					300	100
PB-2		919+33	TO	923+57	220	1	9	9					300	100
		PHASE 2												
DL-3		901+80	TO	909+00						0.14				
DL-4		931+80	TO	939+00						0.14				
EL-5		901+80	TO	923+25					0.41					
EL-6		910+50	TO	922+65					0.23					
EL-7		917+53	TO	939+00					0.41					
EL-8		918+13	TO	930+30					0.23					
PB-3		917+41	TO	912+45	200	1	9	9					280	100
PB-4		919+33	TO	923+38	200	1	9	9					280	100
TOTALS CARRIED TO GENERAL SUMMARY					840	4	36	36	3.14	0.56			1160	400

NOTES:
1. FOR DETAILS NOT SHOWN, SEE SCD MT-95.30, MT-101.70, AND MT-102.10.
2. QUANTITIES TO COMPLETE THIS WORK ON INCLUDED ON SHEET 5.



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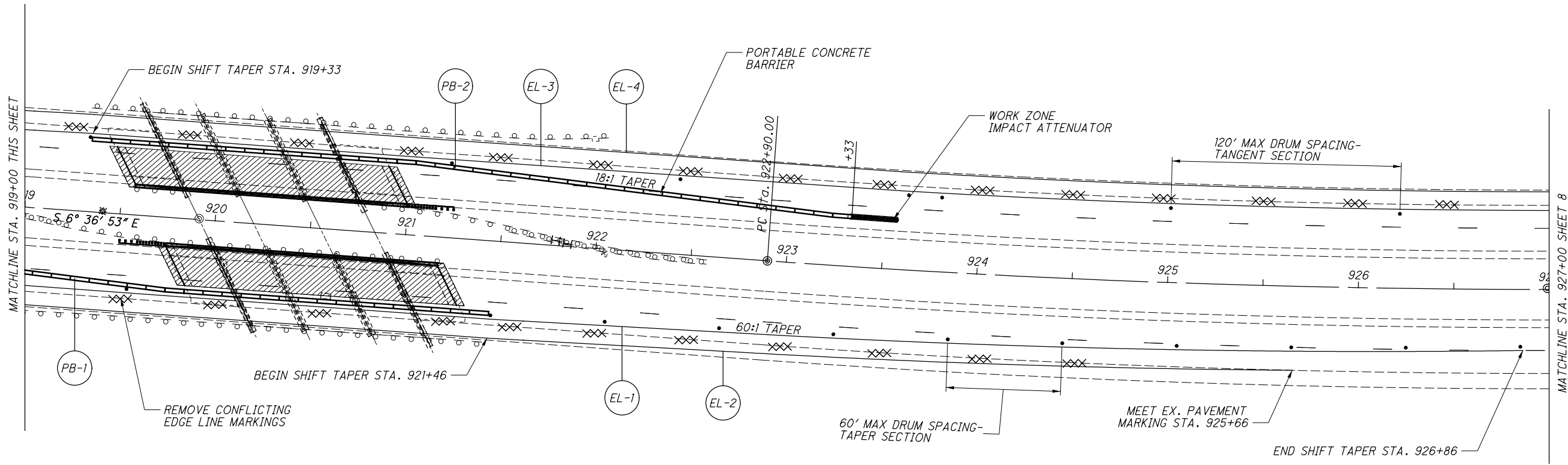
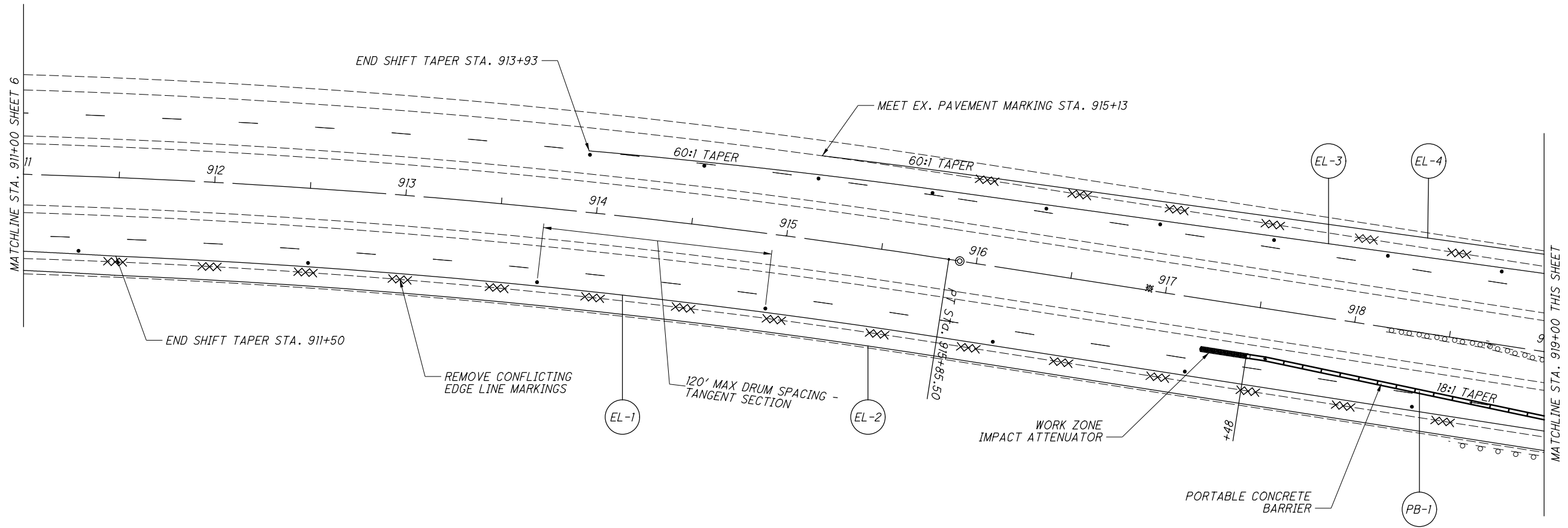
MAINTENANCE OF TRAFFIC - PHASE 1
STA. 895+00 TO STA. 911+00

JAC-35-26.10

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NOTES:
1. FOR DETAILS NOT SHOWN, SEE SCD MT-95.30, MT-101.70, AND MT-102.10.
2. QUANTITIES TO COMPLETE THIS WORK ON INCLUDED ON SHEET 5.

WORK AREA



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HORIZONTAL SCALE IN FEET

CALCULATED CTF

CHECKED MCM

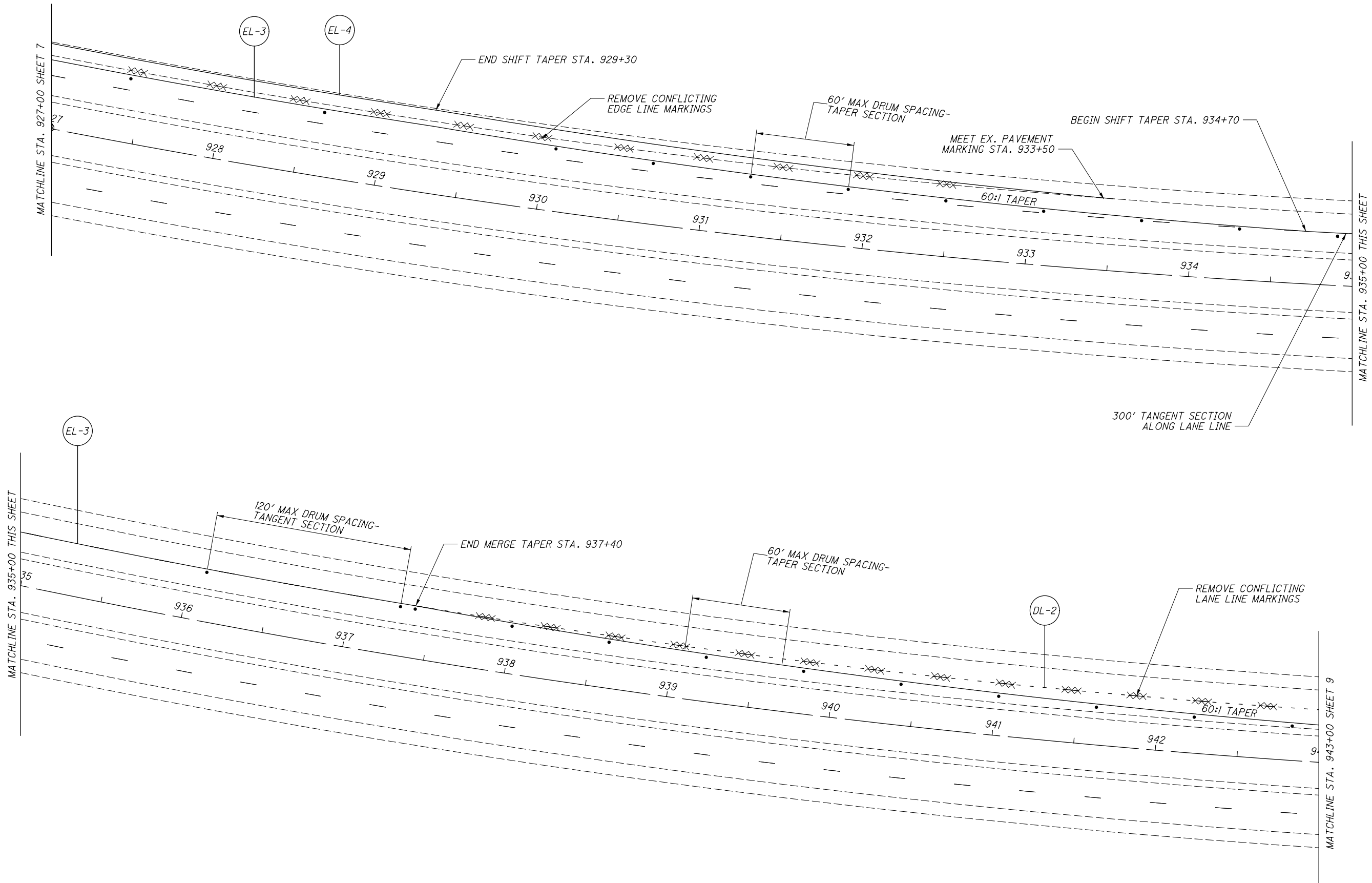
MAINTENANCE OF TRAFFIC - PHASE 1

STA. 911+00 TO STA. 927+00

JAC-35-26.10

7/28

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- NOTES:
1. FOR DETAILS NOT SHOWN, SEE SCD MT-95.30, MT-101.70, AND MT-102.10.
 2. QUANTITIES TO COMPLETE THIS WORK ON INCLUDED ON SHEET 5.

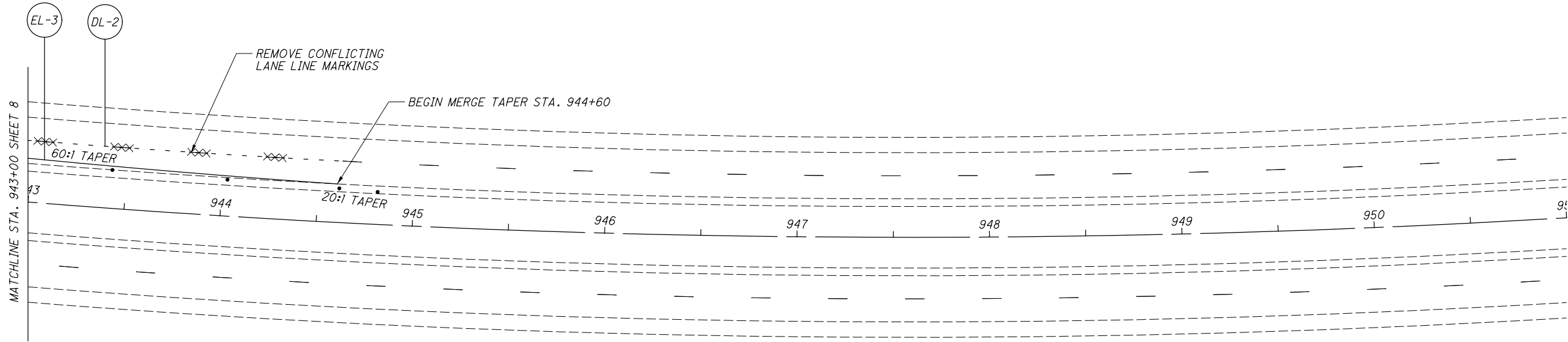


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MAINTENANCE OF TRAFFIC - PHASE 1
STA. 927+00 TO STA. 943+00

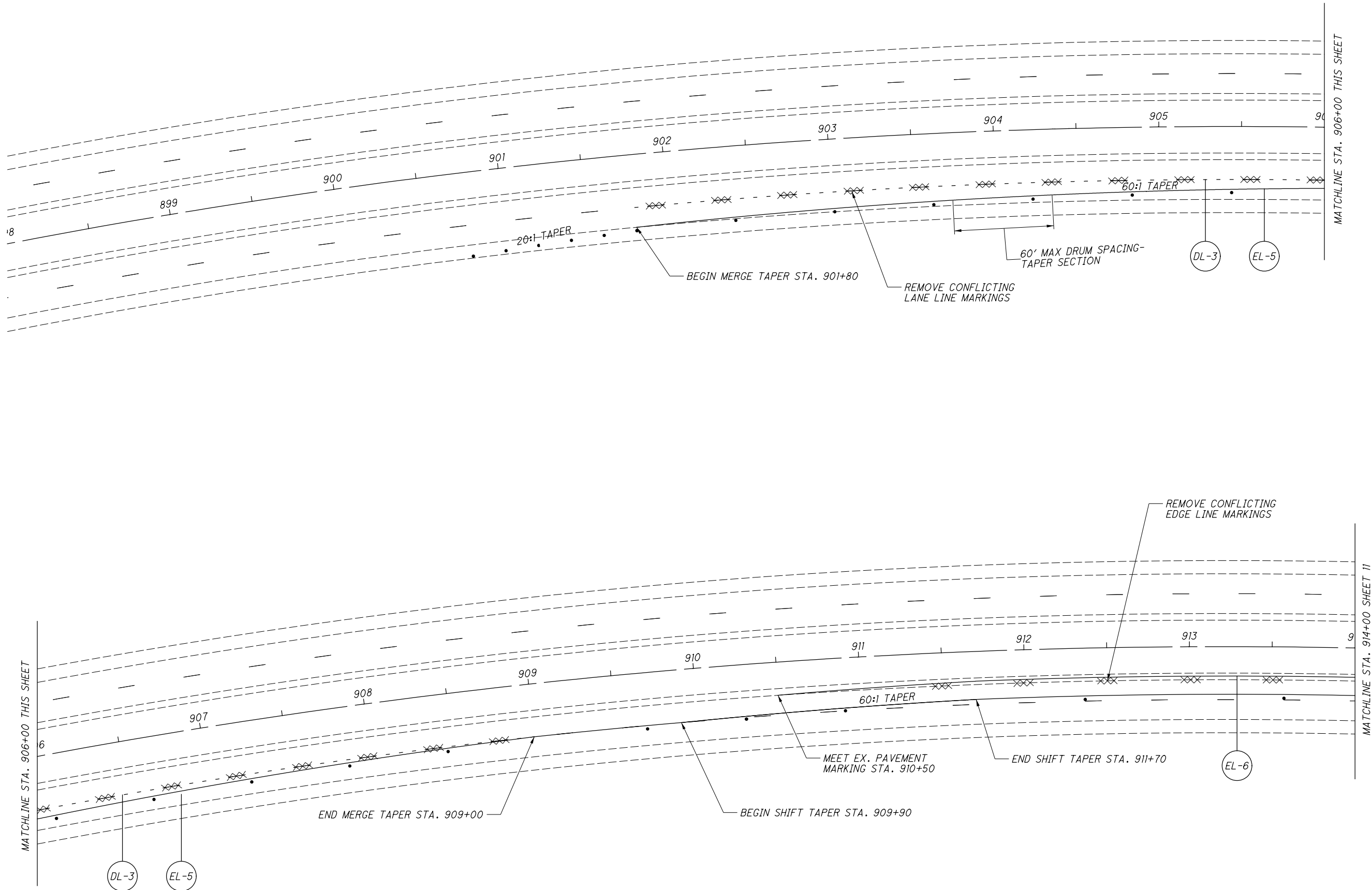
JAC-35-26.10

NOTES:
1. FOR DETAILS NOT SHOWN, SEE SCD MT-95.30, MT-101.70, AND MT-102.10.
2. QUANTITIES TO COMPLETE THIS WORK ON INCLUDED ON SHEET 5.



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NOTES:
1. FOR DETAILS NOT SHOWN, SEE SCD MT-95.30, MT-101.70, AND MT-102.10.
2. QUANTITIES TO COMPLETE THIS WORK ON INCLUDED ON SHEET 5.



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HORIZONTAL SCALE IN FEET

CALCULATED

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JAC-35-26.10

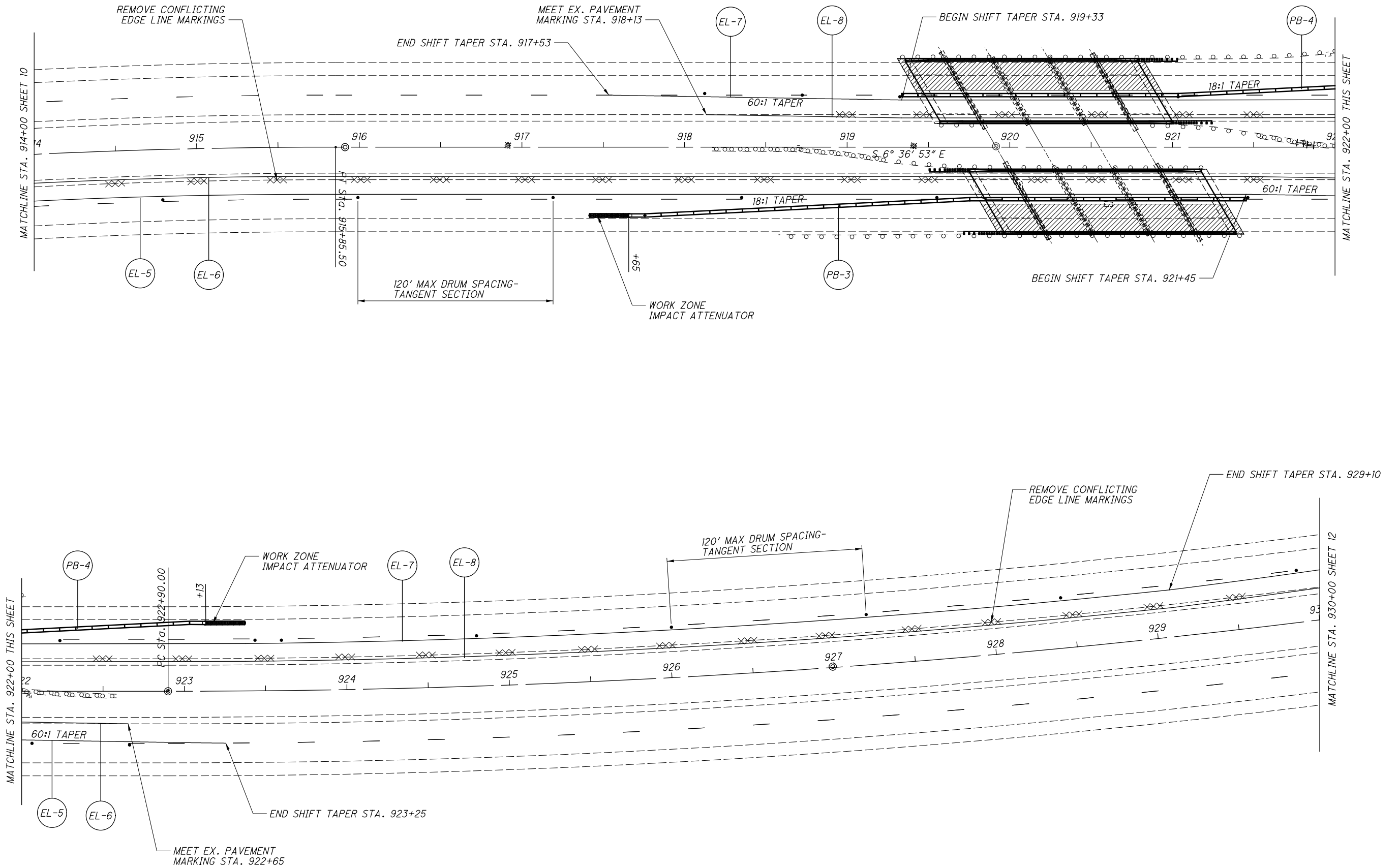
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MAINTENANCE OF TRAFFIC - PHASE 2

STA. 898+00 TO STA. 914+00

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NOTES:
1. FOR DETAILS NOT SHOWN, SEE SCD MT-95.30, MT-101.70, AND MT-102.10.
2. QUANTITIES TO COMPLETE THIS WORK ON INCLUDED ON SHEET 5.



WORK AREA



0 30 60
HORIZONTAL
SCALE IN FEET

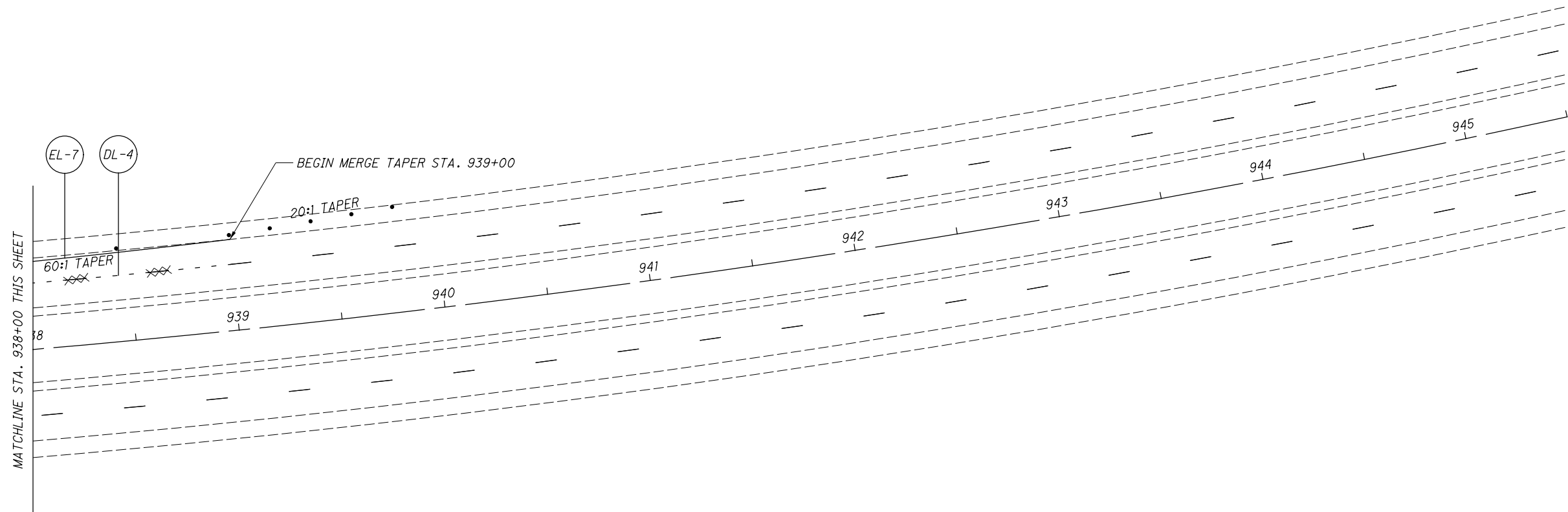
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MAINTENANCE OF TRAFFIC - PHASE 2
STA. 914+00 TO STA. 930+00

JAC-35-26.10

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1. FOR DETAILS NOT SHOWN, SEE SCD MT-95.30, MT-101.70, AND MT-102.10.
2. QUANTITIES TO COMPLETE THIS WORK ON INCLUDED ON SHEET 5.



JAC-35-26.10



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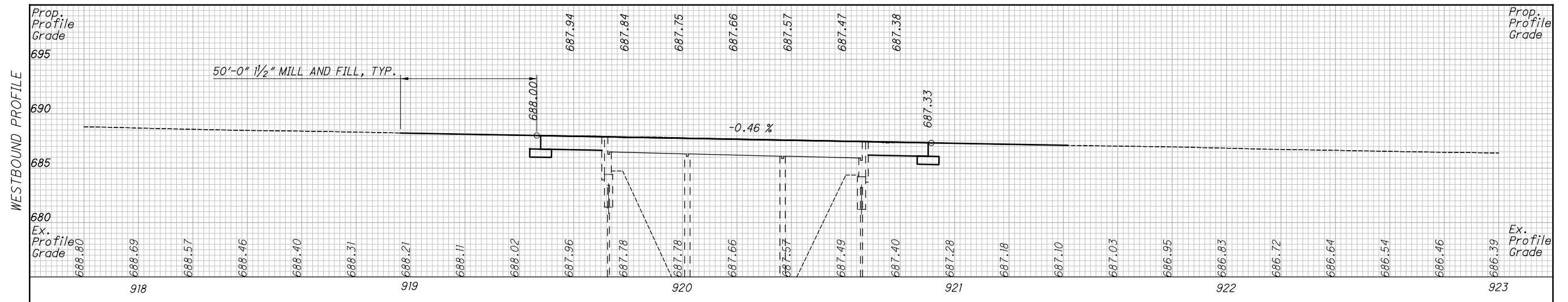
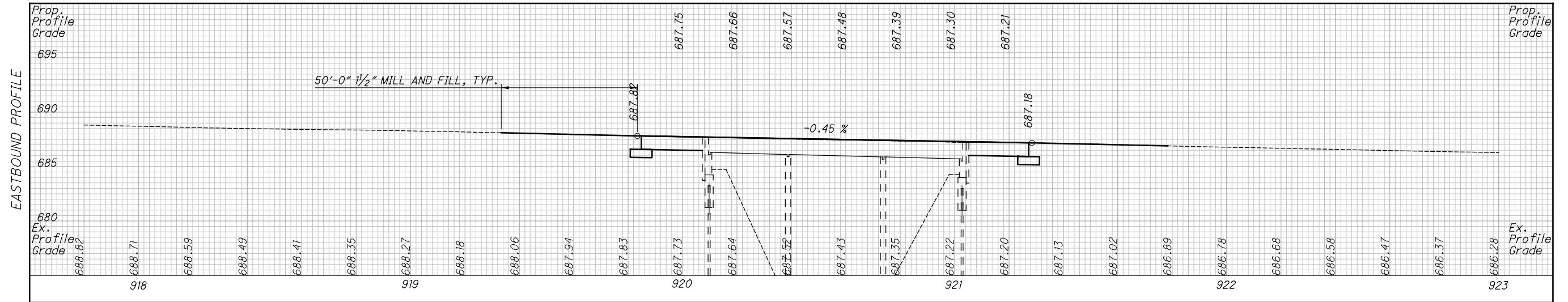
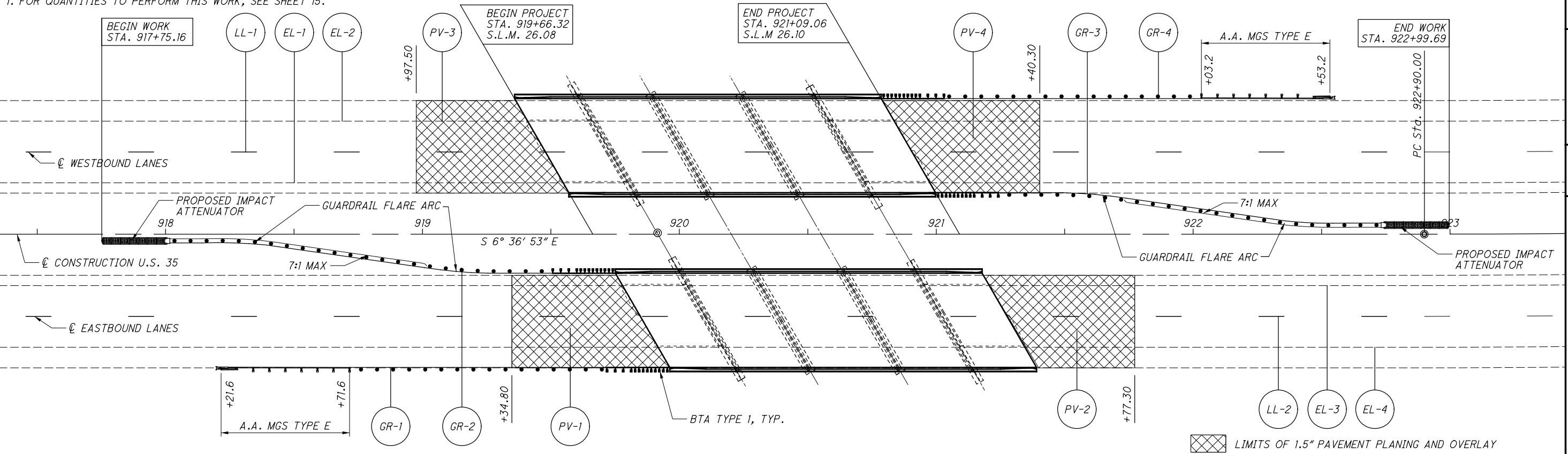
SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	MCM	CHECKED	JAZ
	3		4		5		15		19		01/NHS/BR		EXT	TOTAL							
																ROADWAY		GENERAL SUMMARY			
											LS	201	11000	LS		CLEARING AND GRUBBING					
							476				476	202	38000	476	FT	GUARDRAIL REMOVED					
							200				200	202	38300	200	FT	GUARDRAIL REMOVED, BARRIER DESIGN					
							2				2	202	47800	2	EACH	IMPACT ATTENUATOR REMOVED					
							9				9	209	60201	9	STA	LINEAR GRADING, AS PER PLAN	3				
							40				40	209	70000	40	CY	BORROW					
							300				300	606	15050	300	FT	GUARDRAIL, TYPE MGS					
							200				200	606	15550	200	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS					
							2				2	606	26150	2	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	3				
							4				4	606	35000	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1					
							2				2	606	60012	2	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)	3				
																EROSION CONTROL					
	1,000										1,000	659	10000	1,000	SY	SEEDING AND MULCHING					
	50										50	659	14000	50	SY	REPAIR SEEDING AND MULCHING					
	0.14										0.14	659	20000	0.14	TON	COMMERCIAL FERTILIZER					
	0.21										0.21	659	31000	0.21	ACRE	LIME					
	5.4										5.4	659	35000	5.4	MGAL	WATER					
											2,500	832	30000	2,500	EACH	EROSION CONTROL					
																PAVEMENT					
			1,470				892				2,362	254	01000	2,362	SY	PAVEMENT PLANING, ASPHALT CONCRETE (1" OR 1.5")					
			125				76				201	407	10000	201	GAL	TACK COAT					
			41								41	441	50000	41	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22					
							20				20	441	50701	20	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN	3				
							40				40	442	20000	40	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448)					
			6,986								6,986	618	40100	6,986	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)					
																TRAFFIC CONTROL					
											4	621	00100	4	EACH	RPM					
											4	621	54000	4	EACH	RAISED PAVEMENT MARKER REMOVED					
											12	626	00102	12	EACH	BARRIER REFLECTOR, TYPE 1 (ONE-WAY)					
											14	626	00112	14	EACH	BARRIER REFLECTOR, TYPE 3 (ONE-WAY)					
											0.18	642	00094	0.18	MILE	EDGE LINE, 6"					
											0.09	642	00194	0.09	MILE	LANE LINE, 6"					
																STRUCTURE REPAIR (JAC-35-2610 L)					
								LS			LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	18				
							134				134	202	22900	134	SY	APPROACH SLAB REMOVED					
							130				130	202	23000	130	SY	PAVEMENT REMOVED					
							134				134	202	23500	134	SY	WEARING COURSE REMOVED					
							15,740				15,740	509	10000	15,740	LB	EPOXY COATED REINFORCING STEEL					
							82				82	510	10000	82	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT					
							29				29	511	34444	29	CY	CLASS QC2 CONCRETE, BRIDGE DECK					
							29				29	511	34448	29	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)					
							290				290	512	10100	290	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
							17				17	516	13600	17	SF	1" PREFORMED EXPANSION JOINT FILLER					
							223				223	526	25000	223	SY	REINFORCED CONCRETE APPROACH SLABS (T=15")					
							93				93	526	90011	93	FT	TYPE A INSTALLATION, AS PER PLAN	18				
							378				378	848	10000	378	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (2.75" THICK)					
							351				351	848	20000	351	SY	SURFACE PREPARATION USING HYDRODEMOLITION					
							10				10	848	30000	10	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY					
							38				38	848	50000	38	SY	HAND CHIPPING					
							LS				LS	848	50100	LS		TEST SLAB					
							8				8	848	50200	8	CY	FULL-DEPTH REPAIR					
							413				413	848	50320	413	SY	EXISTING CONCRETE OVERLAY REMOVED (1.75")					
							41				41	848	50340	41	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY					
																		13		28	

$$\frac{14}{28}$$

$$\frac{15}{28}$$

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NOTES:
1. FOR QUANTITIES TO PERFORM THIS WORK, SEE SHEET 15.



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TYPE: CONTINUOUS REINFORCED CONCRETE SLAB WITH
CAPPED PILE AND REINFORCED CONCRETE PIERS
SPANS: $\pm 28'$ - $\pm 35'$ - $\pm 28'$
ROADWAY: $\pm 40'-0"$ F/F GUARDRAIL
LOADING: HS 20
SKEW: 30° RIGHT FORWARD
APPROACH SLABS: 25'-0" (PARTIAL WIDTH)
ALIGNMENT: TANGENT
CROWN: $\pm \frac{3}{16}"$ / FOOT
STRUCTURAL FILE NUMBER: 4000757 L & 4000781 R
LATITUDE: 38°54'56.47" N
LONGITUDE: 82°27'36.76" W
DATE BUILT: 7/1/1967

PLAN VIEW

- REMOVE EXISTING RIGID OVERLAY FROM SUPERSTRUCTURE AND ASPHALT OVERLAY FROM APPROACH SLABS
- REMOVE EXISTING RAILING
- REMOVE EXISTING APPROACH SLABS
- HYDRODEMOLITION REMAINING DECK TO INDICATED DEPTH
- REMOVE 3'-0" OF EXISTING DECK EDGES (PRESERVING EXISTING TRANSVERSE STEEL)
- CONSTRUCT PROPOSED APPROACH SLABS
- CONSTRUCT PROPOSED DECK EDGES WITH 42" CONCRETE PARAPETS
- CONSTRUCT CONCRETE BARRIER TRANSITION-END SECTIONS
- PLACE 2¾" THICK MICRO SILICA MODIFIED CONCRETE OVERLAY ON DECK
- SEAL PARAPETS AND END SECTIONS WITH EPOXY-URETHANE SEALER

REVIEWED	DATE
MCM	6/14/19
STRUCTURE FILE NUMBER	
4000757, 4000781	

DESIGNED	CTF	REVISOR	XXX
CHECKED	JAZ		

JAC-35-2610 R
STA. 920+09.51
STA. 921+02.25

JAC-35-2610 L
STA. 919+72.54
STA. 920+65.28

SITE PLAN
JAC-35-2610 L&R
OVER INDIAN CREEK

JAC-35-26.10
PID No. 102448

1	/	12
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$$\frac{17}{28}$$

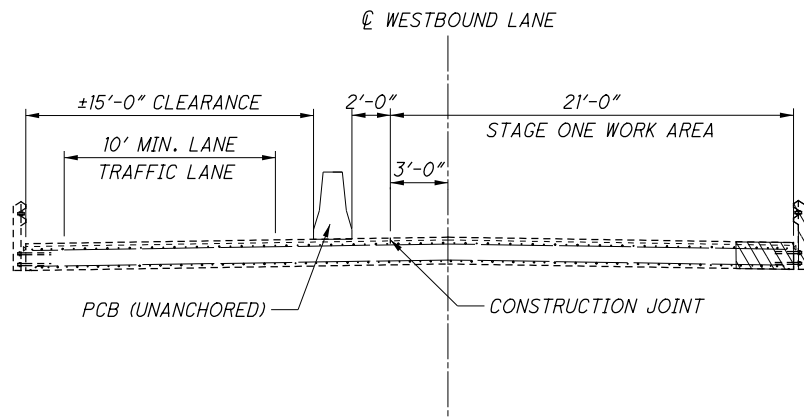
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						CALC:	CTF	DATE:	4/23/2019
						CHECKED:	MCM	DATE:	
ESTIMATED QUANTITIES (JAC-35-2610 L)									
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET
202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN				LUMP	2/12
202	22900	134	SY	APPROACH SLAB REMOVED				134	
202	23500	134	SY	WEARING COURSE REMOVED				134	
509	10000	15740	LB	EPOXY COATED REINFORCING STEEL			15,740		
202	23000	130	SY	PAVEMENT REMOVED				130	
510	10000	82	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	82				
511	34444	29	CY	CLASS QC2 CONCRETE, BRIDGE DECK			29		
511	34448	29	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)				29	
512	10100	290	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			202	88	
516	13600	17	SF	1" PREFORMED EXPANSION JOINT FILLER			17		
526	25000	223	SY	REINFORCED CONCRETE APPROACH SLABS (T=15")				223	
526	90011	93	FT	TYPE A INSTALLATION, AS PER PLAN				93	
848	10000	378	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (2.75" THICK)			378		
848	20000	351	SY	SURFACE PREPARATION USING HYDRODEMOLITION			413		
848	30000	10	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY			10		
848	50000	38	SY	HAND CHIPPING			38		
848	50100	LS		TEST SLAB				LUMP	
848	50200	8	CY	FULL-DEPTH REPAIR			8		
848	50320	413	SY	EXISTING CONCRETE OVERLAY REMOVED (1.75")			413		
848	50340	41	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY			41		

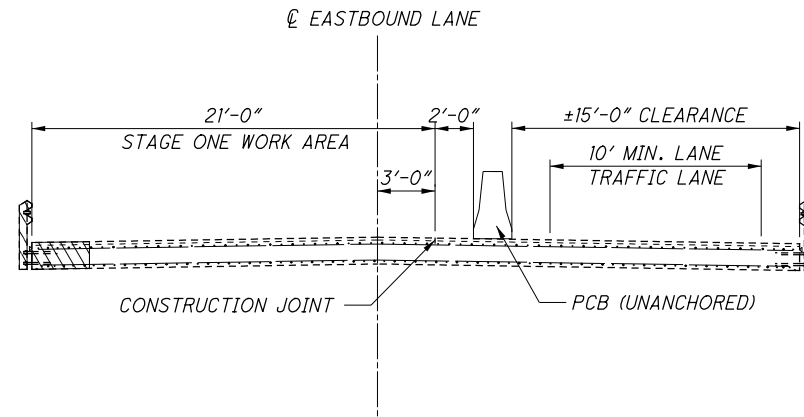
NOTE: QUANTITIES ON THIS SHEET ARE CARRIED TO THE GENERAL SUMMARY SHEETS 13 & 14.

						CALC:	CTF	DATE:	4/23/2019
						CHECKED:	MCM	DATE:	
ESTIMATED QUANTITIES (JAC-35-2610 R)									
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET
202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN				LUMP	2/12
202	22900	134	SY	APPROACH SLAB REMOVED				134	
202	23500	134	SY	WEARING COURSE REMOVED				134	
509	10000	15740	LB	EPOXY COATED REINFORCING STEEL			15,740		
202	23000	130	SY	PAVEMENT REMOVED				130	
510	10000	82	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	82				
511	34444	29	CY	CLASS QC2 CONCRETE, BRIDGE DECK			29		
511	34448	29	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)				29	
512	10100	290	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			202	88	
516	13600	17	SF	1" PREFORMED EXPANSION JOINT FILLER			17		
526	25000	223	SY	REINFORCED CONCRETE APPROACH SLABS (T=15")				223	
526	90011	93	FT	TYPE A INSTALLATION, AS PER PLAN				93	
848	10000	378	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (2.75" THICK)			378		
848	20000	351	SY	SURFACE PREPARATION USING HYDRODEMOLITION			413		
848	30000	10	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY			10		
848	50000	38	SY	HAND CHIPPING			38		
848	50100	LS		TEST SLAB				LUMP	
848	50200	8	CY	FULL-DEPTH REPAIR			8		
848	50320	413	SY	EXISTING CONCRETE OVERLAY REMOVED (1.75")			413		
848	50340	41	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY			41		

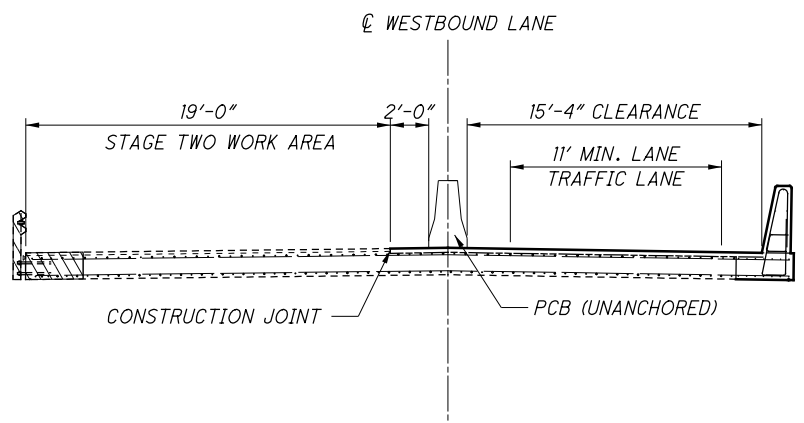
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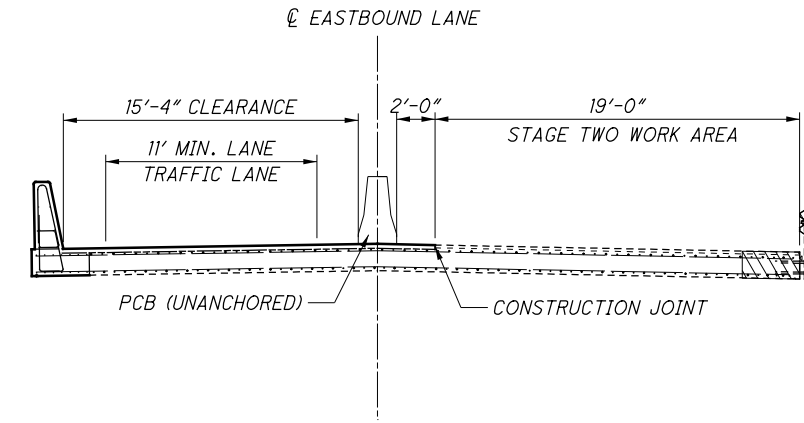
CL CONSTRUCTION U.S. 35



PROPOSED PHASE I MAINTENANCE OF TRAFFIC



CL CONSTRUCTION U.S. 35



PROPOSED PHASE II MAINTENANCE OF TRAFFIC

MAINTENANCE OF TRAFFIC
BRIDGE NO. JAC-35-2610 L&R
OVER INDIAN CREEK

JAC-35-26.10
PID No. 102448

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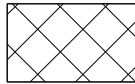
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DESIGN AGENCY
ODOT DISTRICT 9
PLANNING AND ENGINEERING

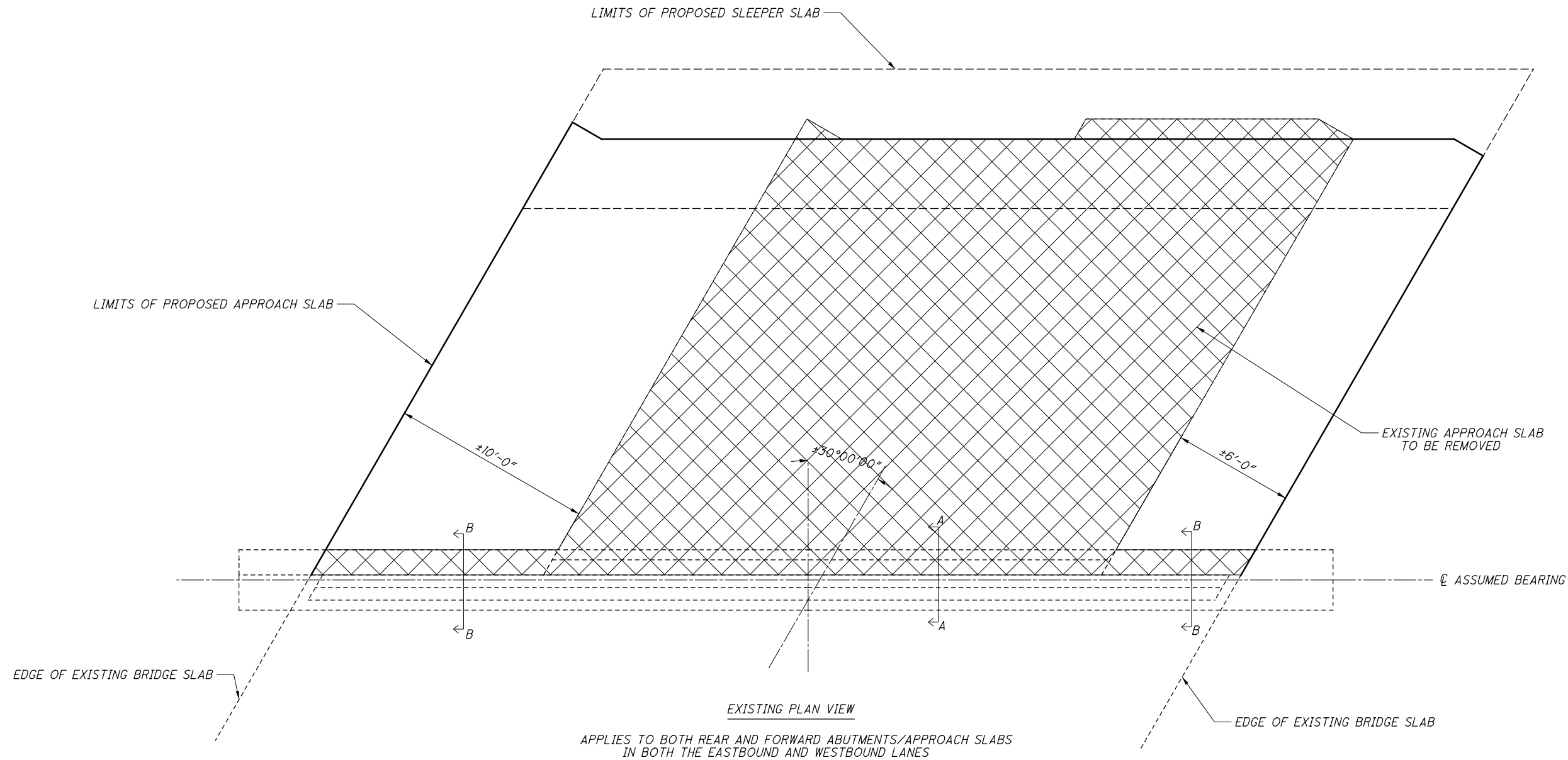
REVIEWED
MCM
DATE
6/14/19
STRUCTURE FILE NUMBER
4000757, 4000781

DRAWN
CTF
CHECKED
JAZ
REVISED
XXX

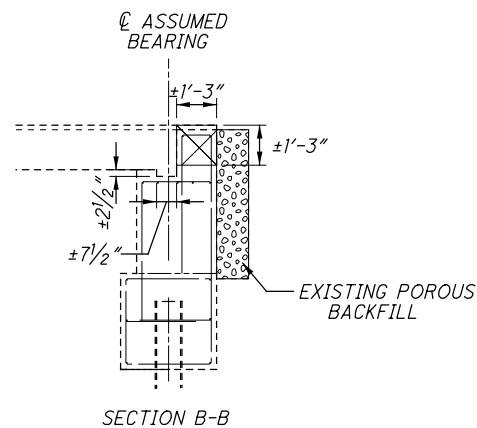
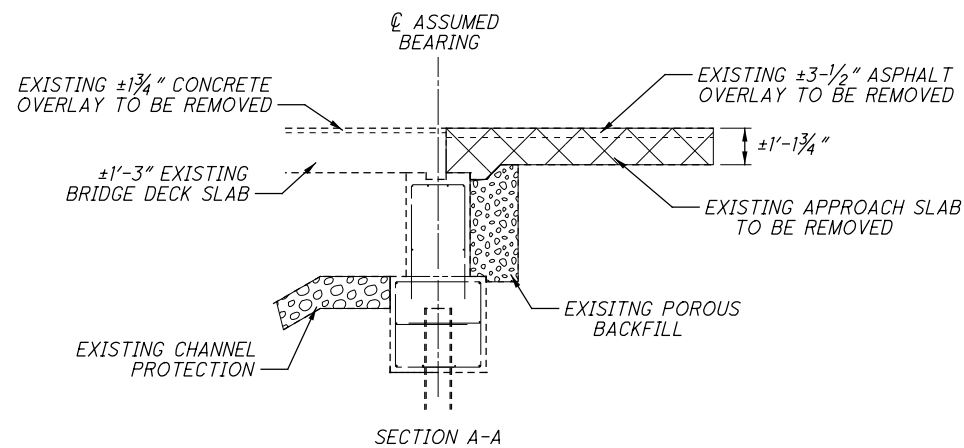
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LIMITS OF REMOVAL OF CONCRETE AND REINFORCING STEEL

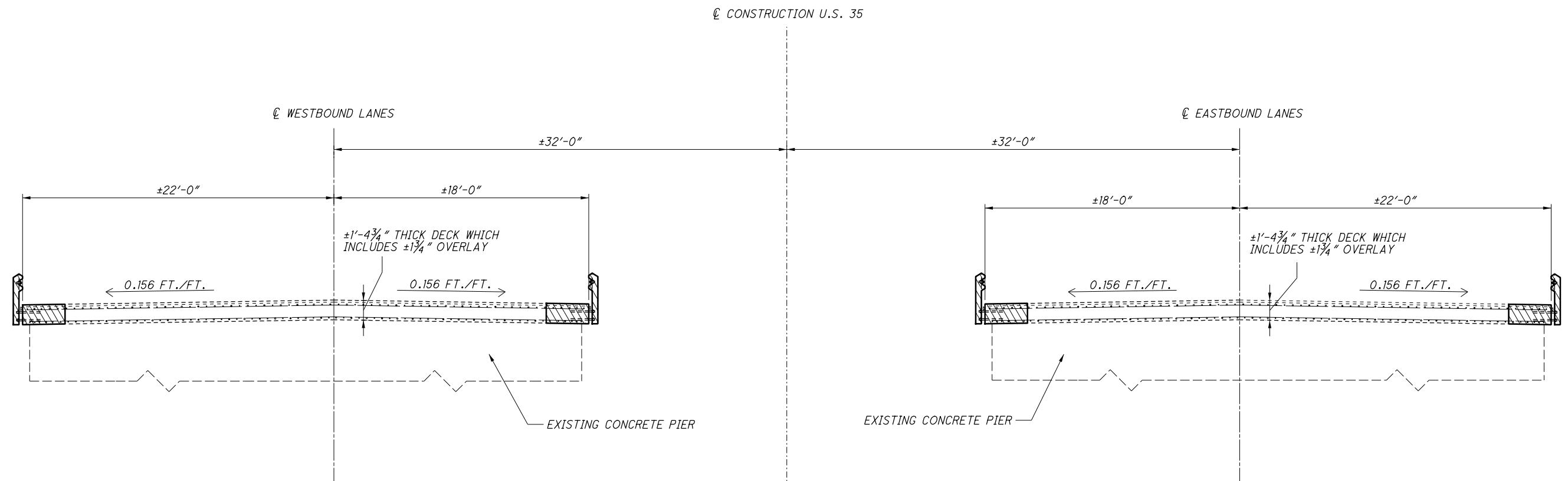


APPLIES TO BOTH REAR AND FORWARD ABUTMENTS/APPROACH SLABS
IN BOTH THE EASTBOUND AND WESTBOUND LANES

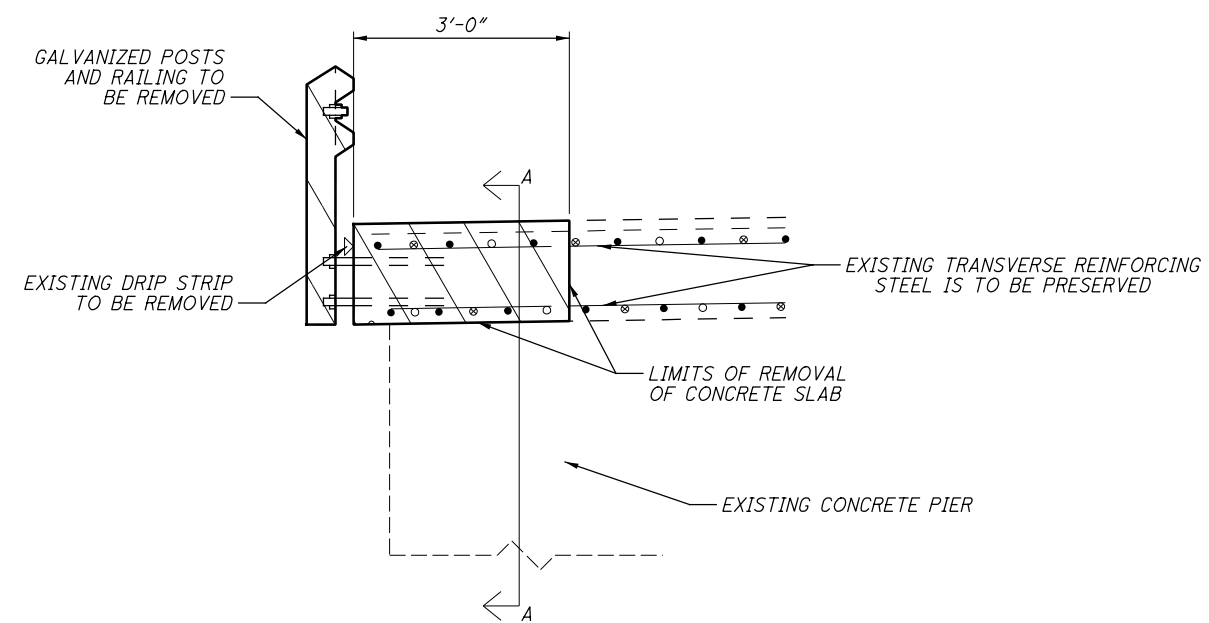


REMOVAL AREA

21 28	5 / 12	JAC-35-26.10 PID No. 102448	REMOVAL DETAILS - ABUTMENT/APPROACH SLAB BRIDGE NO. JAC-35-2610 L&R OVER INDIAN CREEK	DESIGNED	DRAWN	REVIEWED	DATE	DESIGN AGENCY
				CTF	CTF	MCM	6/14/19	
				CHECKED	REVISED	STRUCTURE FILE NUMBER		PLANNING AND ENGINEERING
				JAZ	XXX	4000757, 4000781		

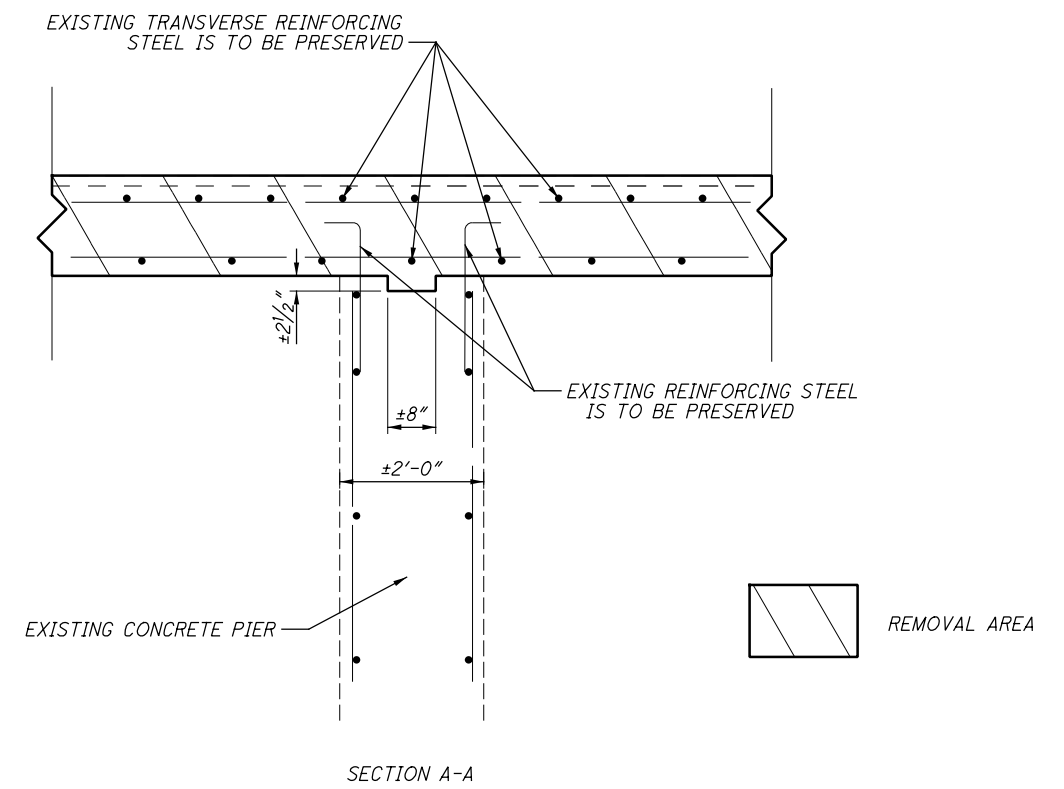


EXISTING TRANSVERSE SECTION
APPLIES TO PIER 1 AND PIER 2



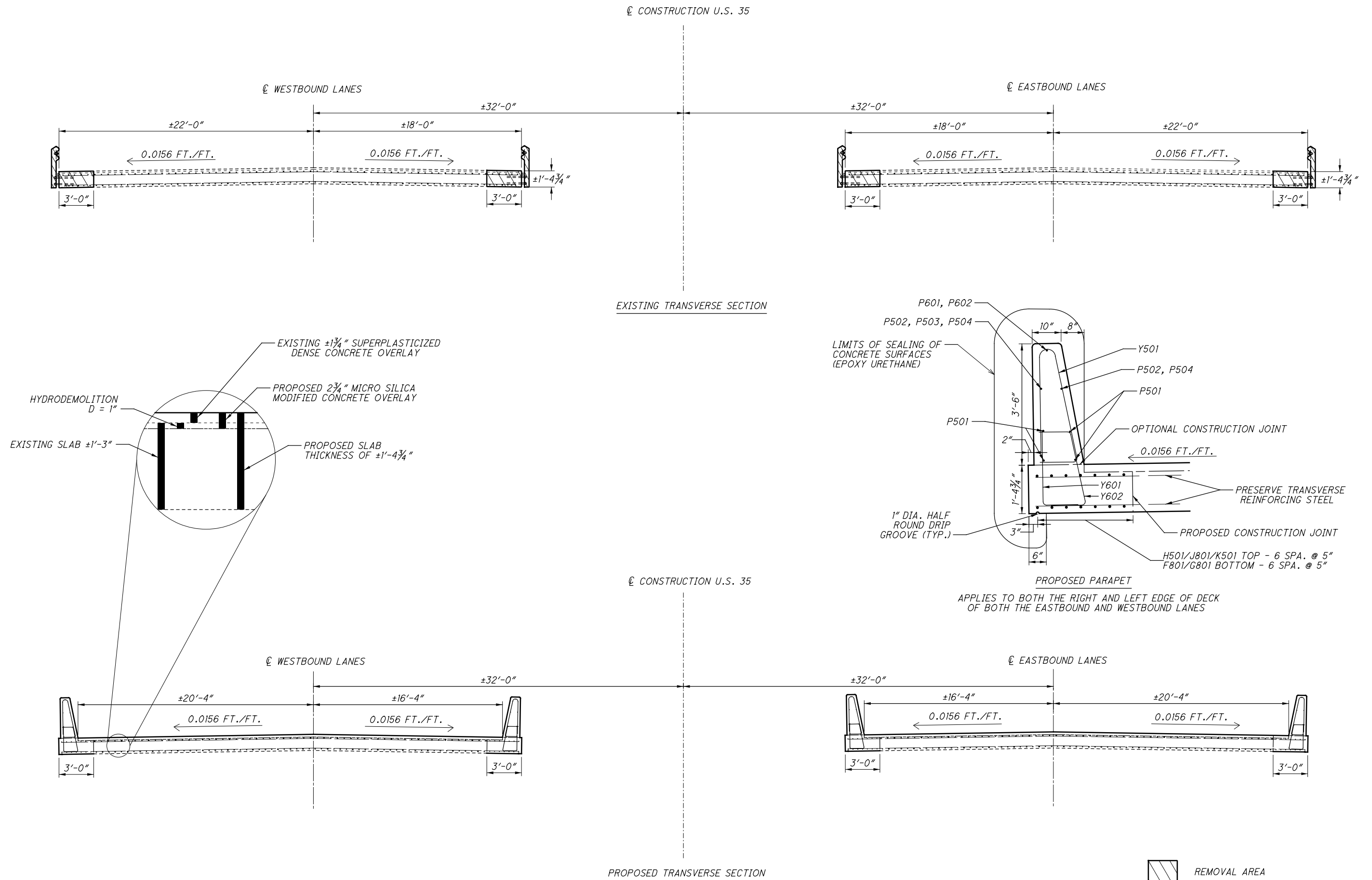
REMOVAL DETAIL

APPLIES TO BOTH THE RIGHT AND LEFT EDGE OF DECK ON BOTH THE EASTBOUND AND WESTBOUND LANES OVER THE EXISTING PIERS

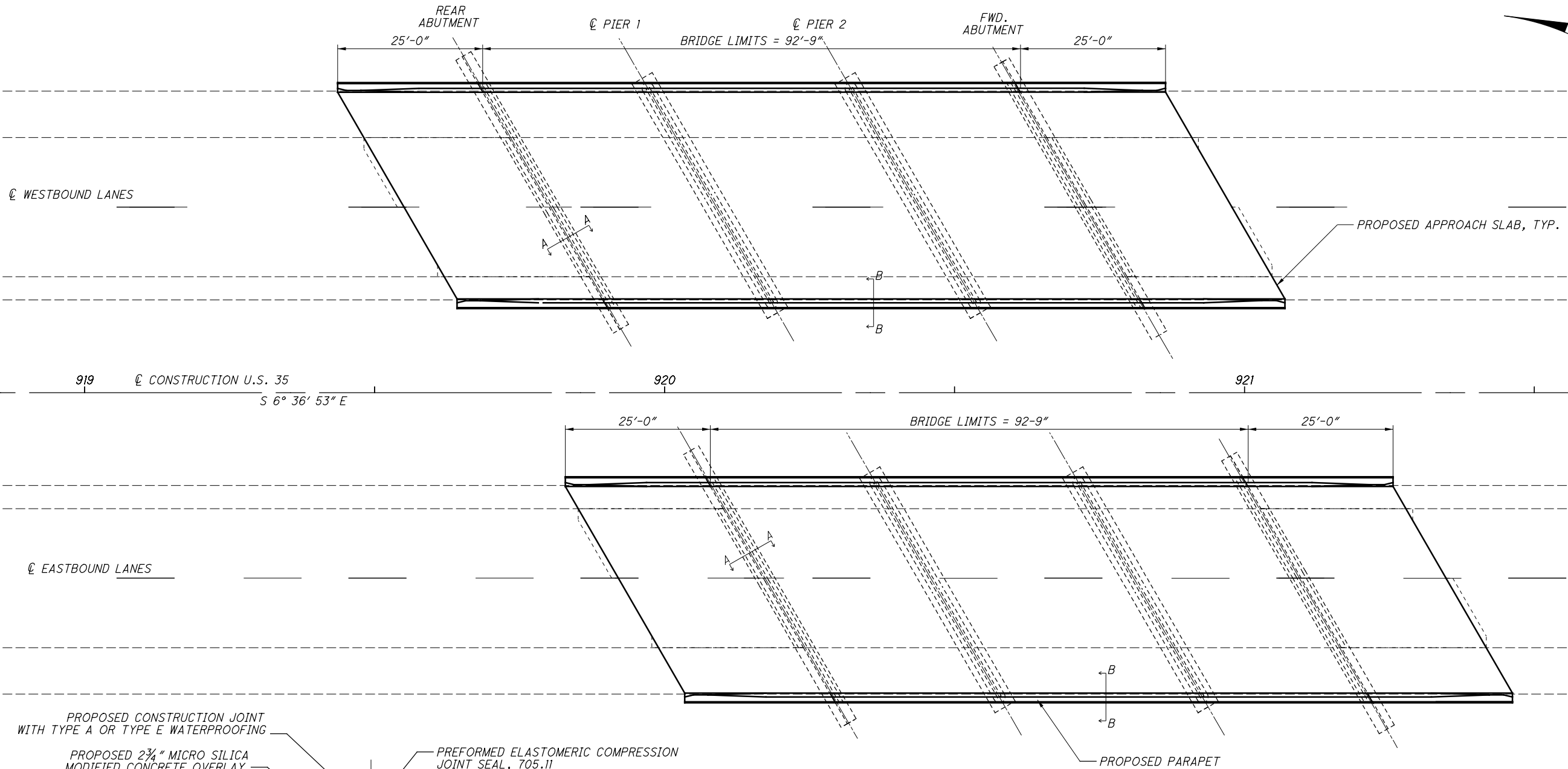


SECTION A-A

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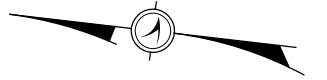


SECTION A-A

APPLIES TO BOTH THE FORWARD AND REAR ABUTMENTS IN BOTH THE EASTBOUND AND WESTBOUND LANES. FOR ADDITIONAL APPROACH SLAB DETAILS, REFER TO STD. BDG. DWG. AS-1-15 - DETAIL B AND STD. BDG. DWG. AS-2-15.

SECTION B-B

APPLIES TO BOTH THE LEFT AND RIGHT PARAPETS OF BOTH THE EASTBOUND AND WESTBOUND LANES. FOR ADDITIONAL DETAILS REFER TO STD. BDG. DWG. SBR-1-13



DESIGN AGENCY
ODOT DISTRICT 9
PLANNING AND ENGINEERING

REVIEWED
MCM
DATE
6/14/19
STRUCTURE FILE NUMBER
4000757, 4000781

DRAWN
CTF
REVISED
XXX

DESIGNED
CTF
CHECKED
JAZ

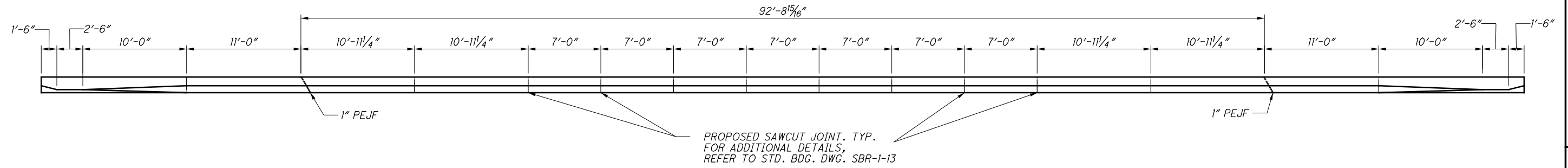
PROPOSED DECK DETAILS
BRIDGE NO. JAC-35-2610 L&R
OVER INDIAN CREEK

JAC-35-26.10
PID No. 102448

8 / 12

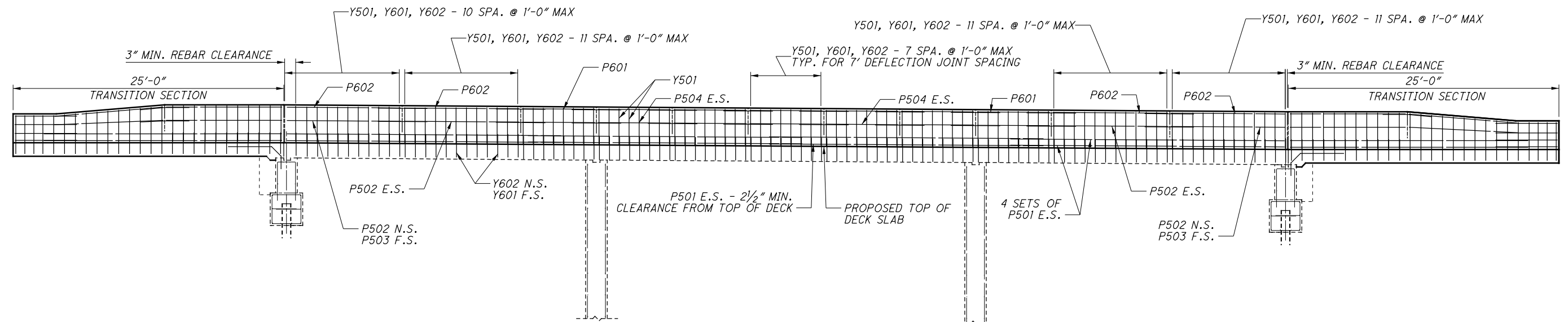
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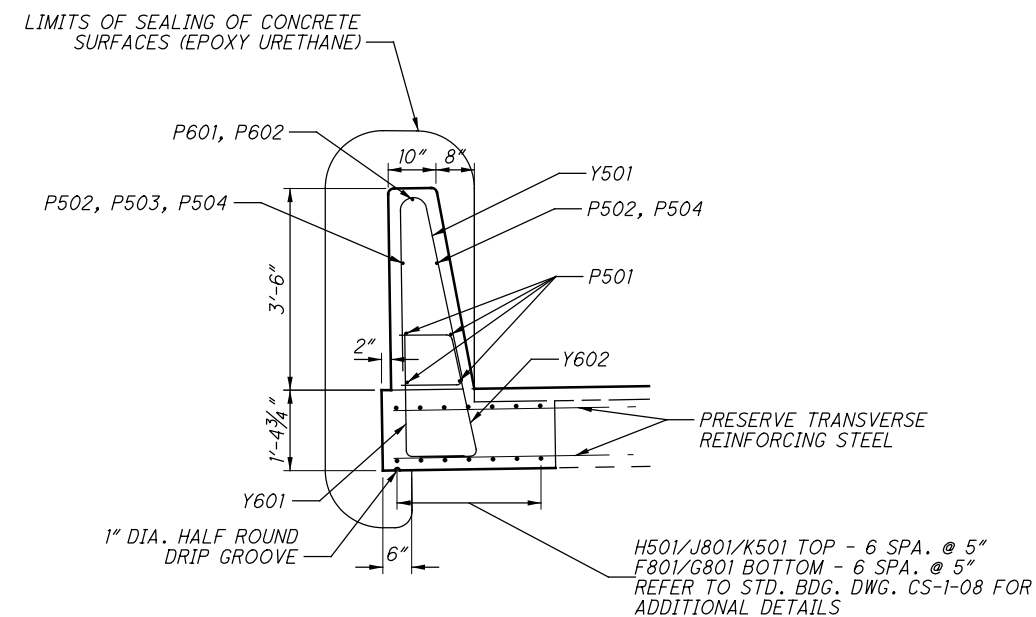


PROPOSED CONCRETE BARRIER PLAN VIEW
APPLIES TO ALL PROPOSED PARAPETS.

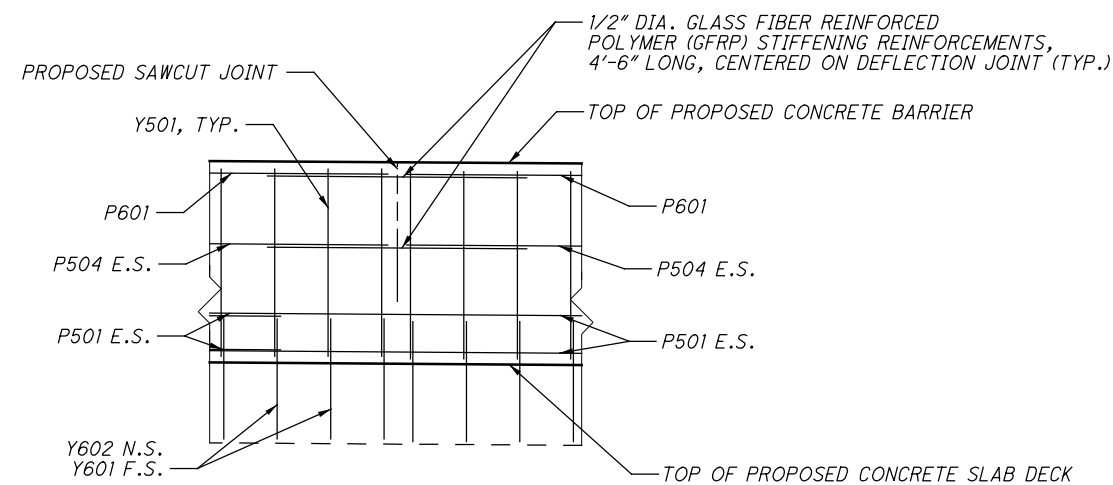
BAR SIZE	MINIMUM LAP LENGTH
#5 BAR	35"
#6 BAR	41"
#8 BAR	69"



PROPOSED CONCRETE BARRIER ELEVATION VIEW



TYPICAL SECTION ON BRIDGE DECK

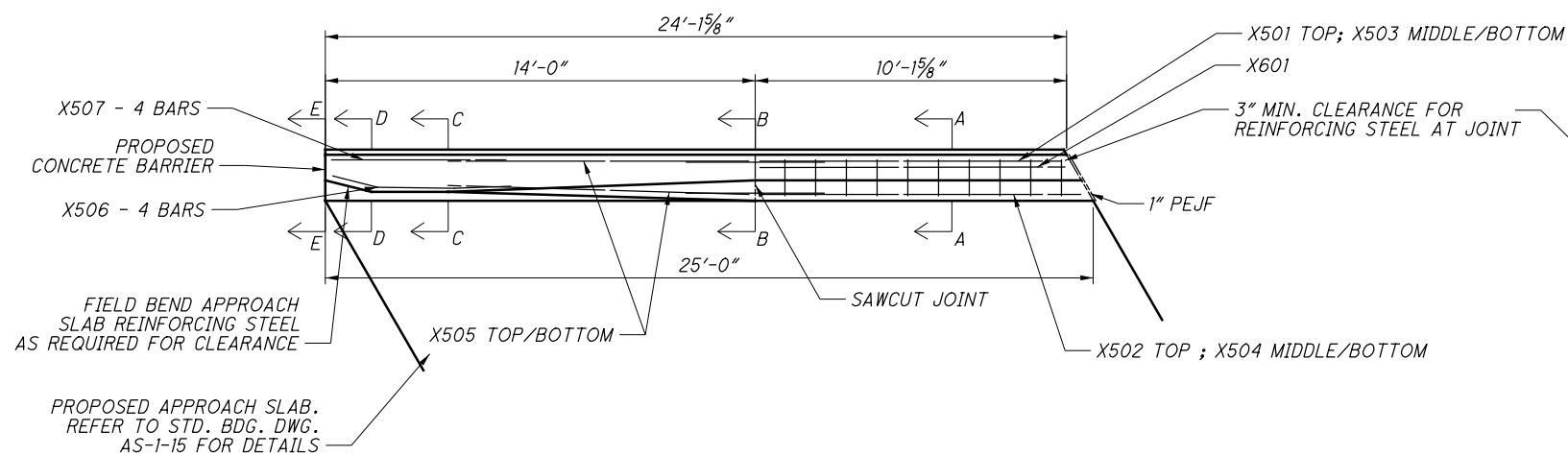


7'-0" TYPICAL SECTION AT DEFLECTION JOINT

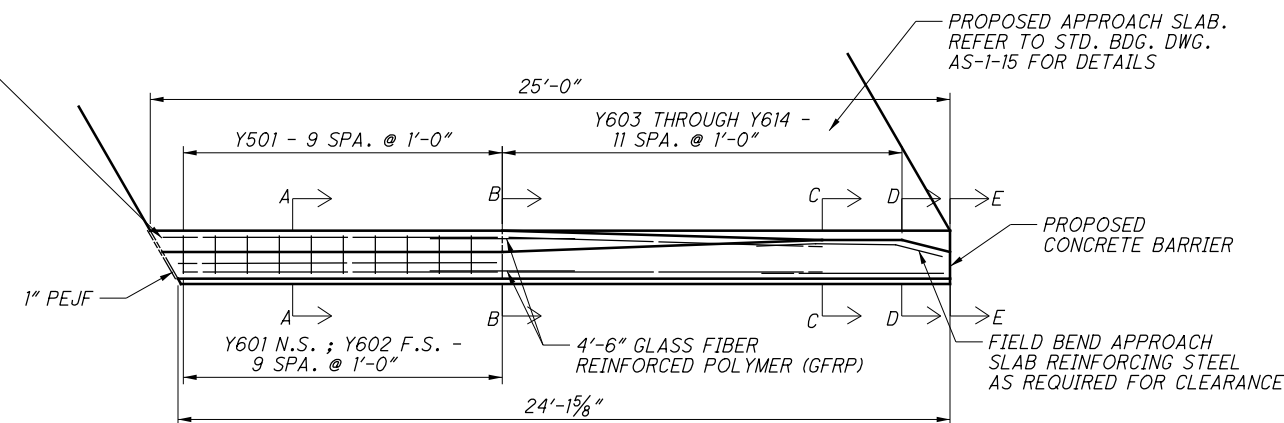
APPLIES TO BOTH THE LEFT AND RIGHT PARAPETS
OF BOTH THE EASTBOUND AND WESTBOUND LANES.
FOR ADDITIONAL DETAILS, REFER TO STD. BDG. DWG. SBR-1-13

NOTE: E.S. = EACH SIDE
F.S. = FAR SIDE
N.S. = NEAR SIDE
PEJF = PREFORMED EXPANSION
JOINT FILLER

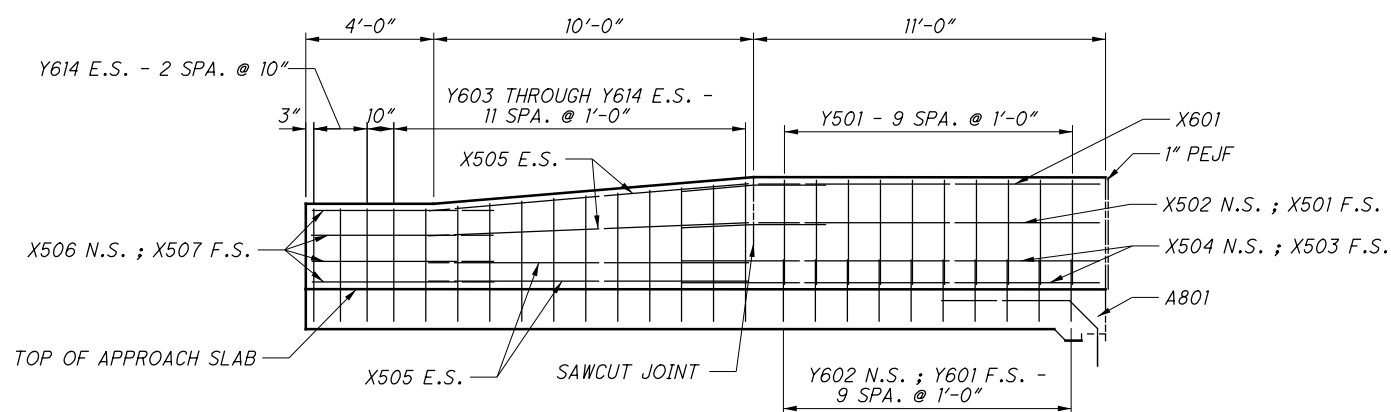
NOTE: E.S. = EACH SIDE
F.S. = FAR SIDE
N.S. = NEAR SIDE
PEJF = PREFORMED EXPANSION
JOINT FILLER



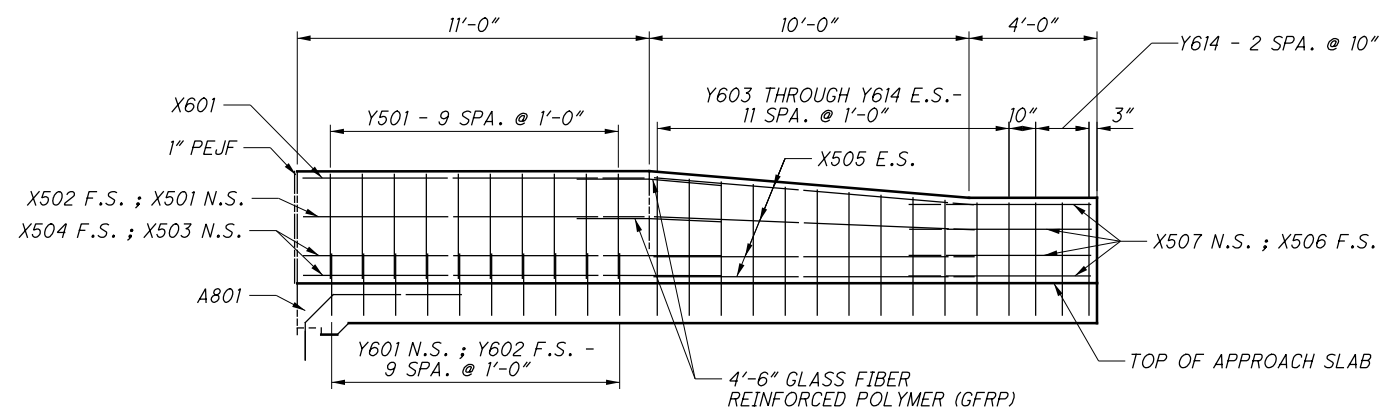
PLAN VIEW - EASTBOUND/WESTBOUND LEFT REAR TRANSITION SECTION "A"



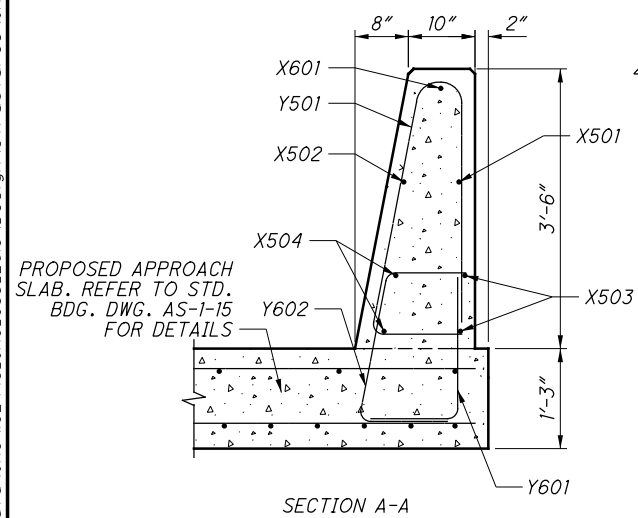
PLAN VIEW - EASTBOUND/WESTBOUND RIGHT FORWARD TRANSITION SECTION "B"



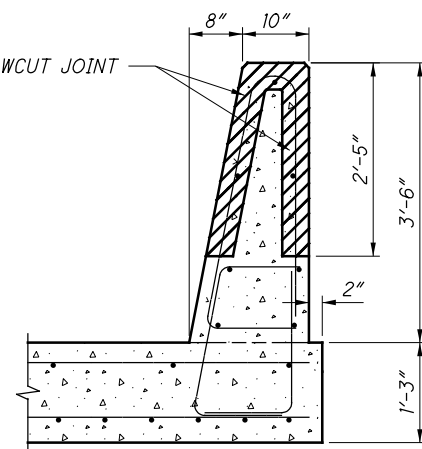
ELEVATION VIEW - EASTBOUND/WESTBOUND LEFT REAR TRANSITION SECTION "A"



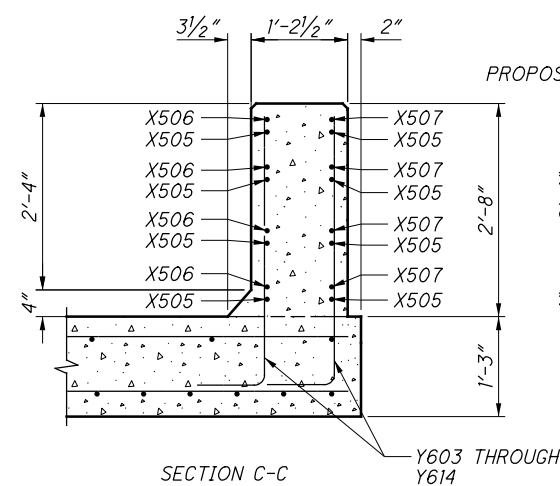
ELEVATION VIEW - EASTBOUND/WESTBOUND RIGHT FORWARD TRANSITION SECTION "B"



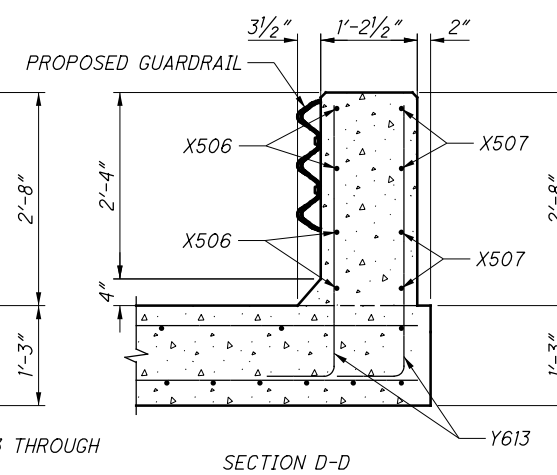
SECTION A-A



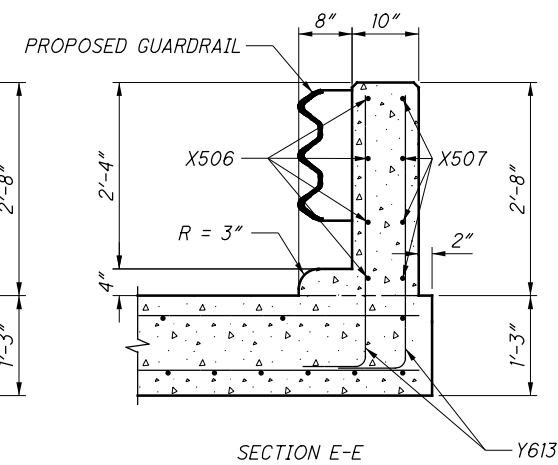
SECTION B-E



SECTION C-C



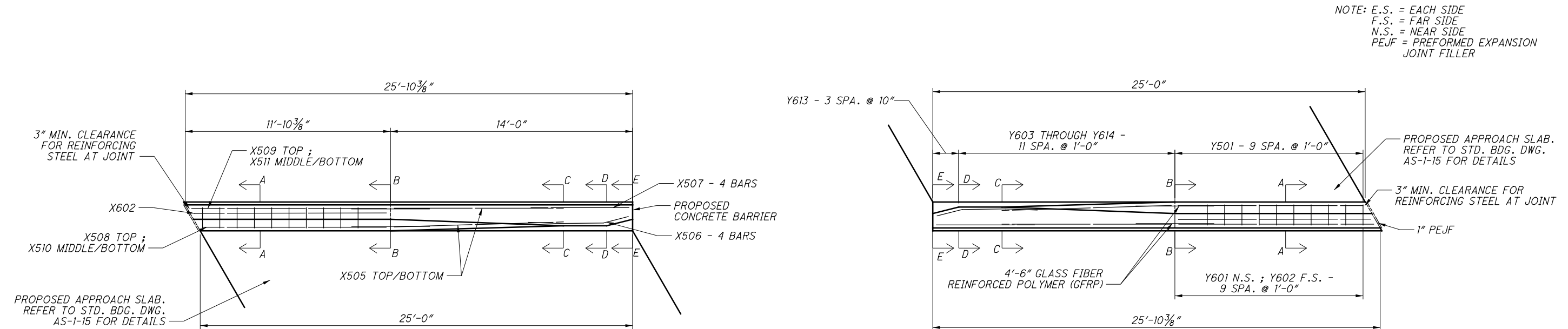
SECTION D-D



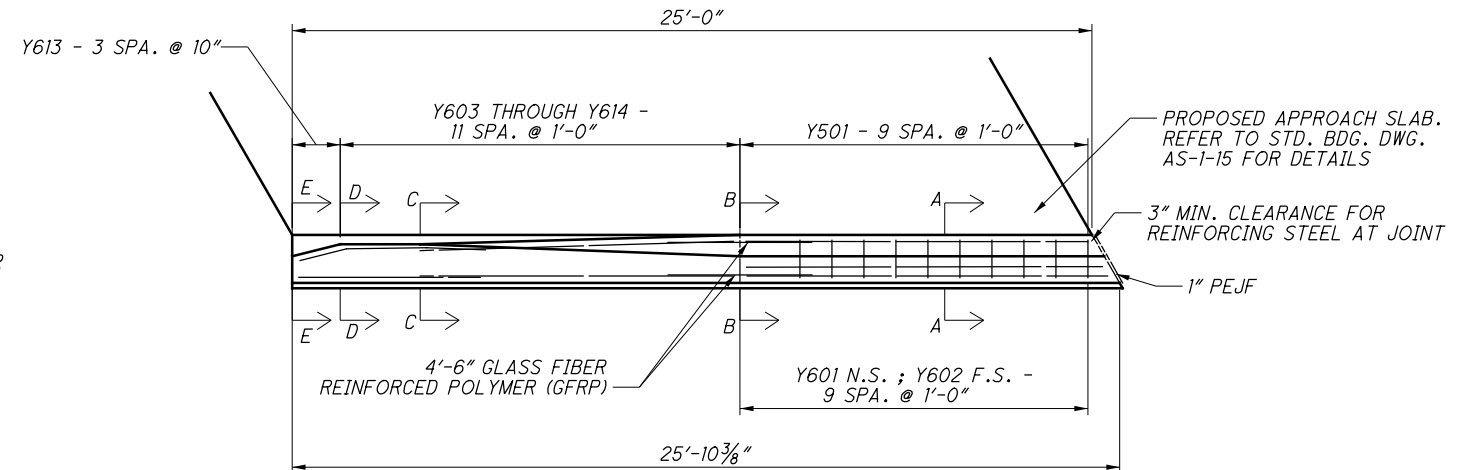
SECTION E-E

NOTE: EASTBOUND RIGHT FORWARD AND WESTBOUND LEFT REAR BARRIER
WILL NOT HAVE PROPOSED BRIDGE TERMINAL ASSEMBLY

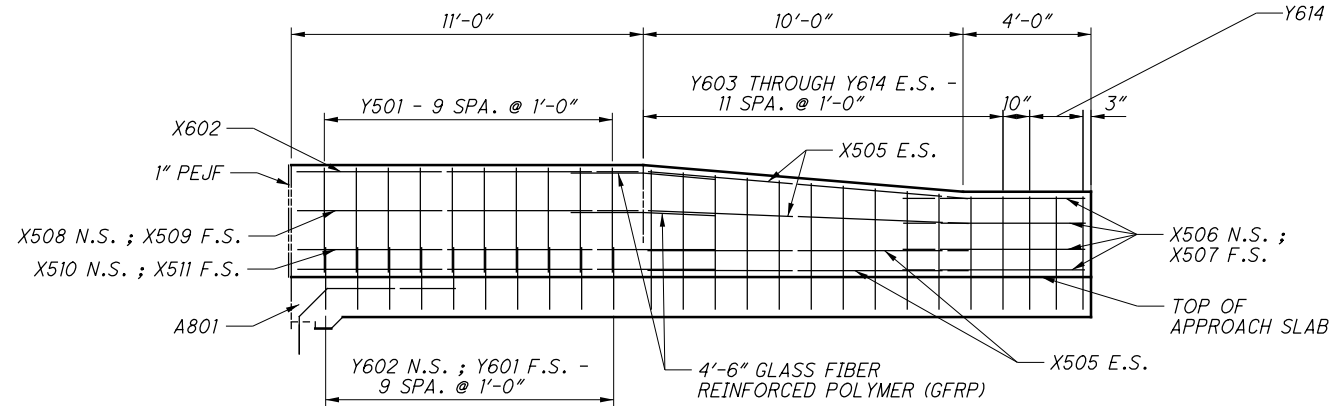
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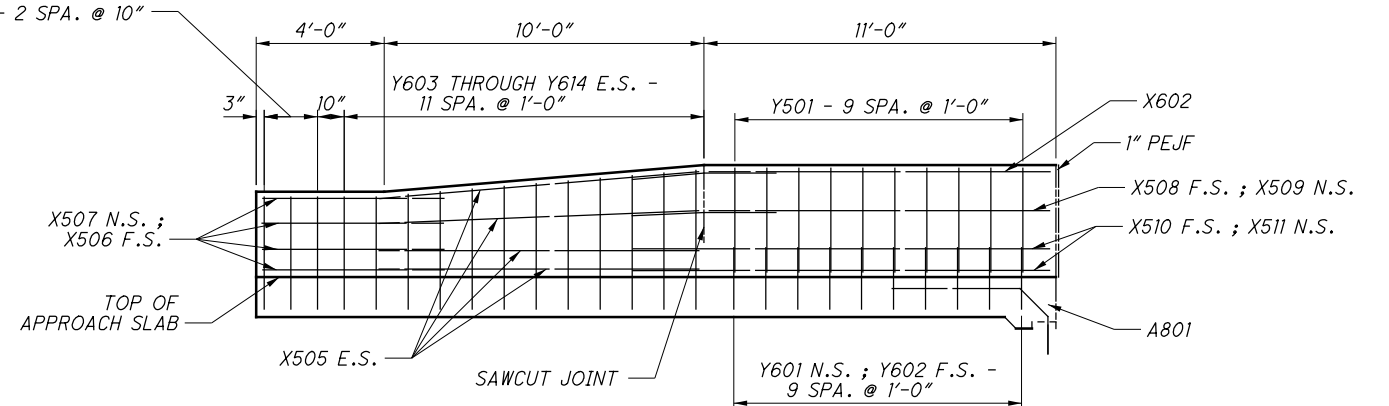
PLAN VIEW - EASTBOUND/WESTBOUND LEFT FORWARD TRANSITION SECTION "C"



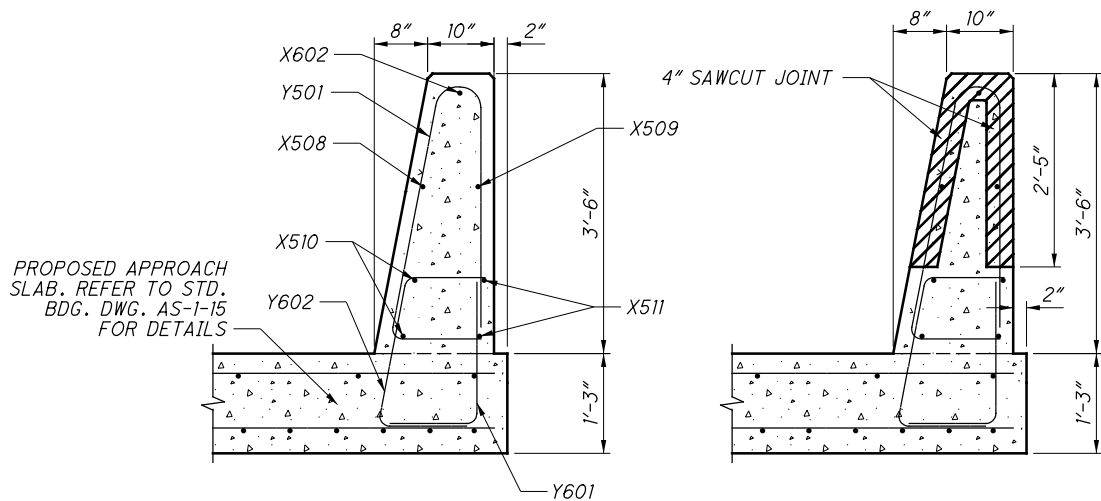
PLAN VIEW - EASTBOUND/WESTBOUND RIGHT REAR TRANSITION SECTION "D"



ELEVATION VIEW - EASTBOUND/WESTBOUND LEFT FORWARD TRANSITION SECTION "C"

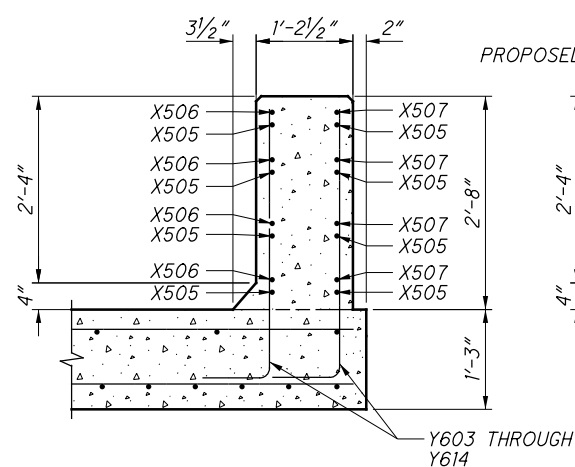


ELEVATION VIEW - EASTBOUND/WESTBOUND RIGHT REAR TRANSITION SECTION "D"

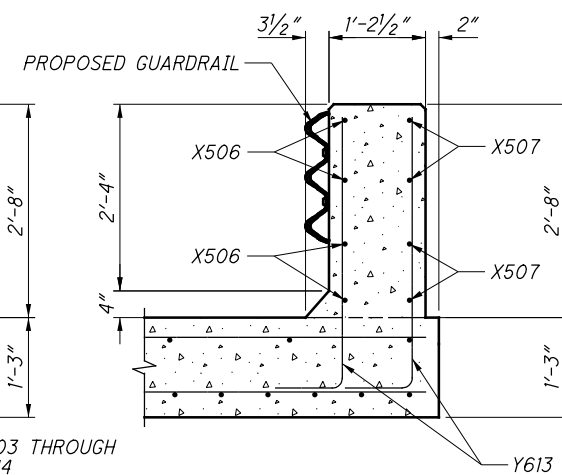


SECTION A-A

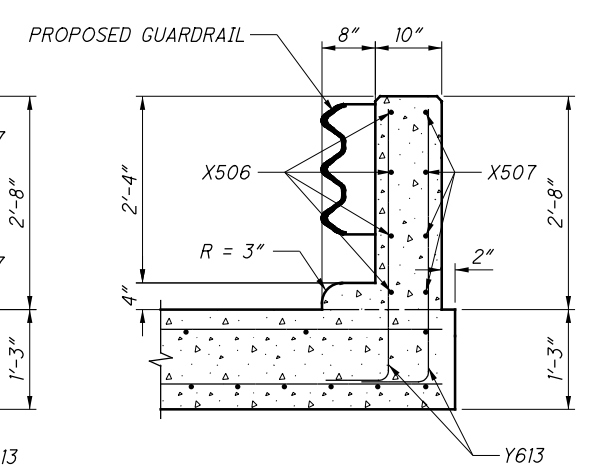
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

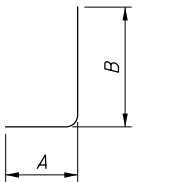
NOTE: EASTBOUND LEFT FORWARD AND WESTBOUND RIGHT REAR BARRIER WILL NOT HAVE PROPOSED BRIDGE TERMINAL ASSEMBLY

MARK	NO.	LENGTH	WEIGHT	TYPE	A	B	C	D
CONCRETE BARRIER - OVER BRIDGE DECK ONLY - RIGHT BRIDGE (LEFT SIMILAR)								
P601	14	6'-8"	140	STR				
P602	8	10'-6"	126	STR				
P501	32	25'-3"	844	STR				
P502	12	10'-6"	132	STR				
P503	4	11'-2"	46	STR				
P504	28	6'-8"	194	STR				
Y501	206	7'-4"	1,576	23	0'-11"	3'-3"	3'-0"	
Y601	206	2'-9"	851	1	1'-0"	1'-11"		
Y602	206	4'-6"	1,392	28	1'-0"	1'-11"		
TOTAL			5,301					
TOTAL (RIGHT AND LEFT BRIDGE)			10,602					

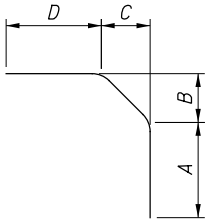
MARK	NO.	LENGTH	WEIGHT	TYPE	A	B	C	D
CONCRETE BARRIER END SECTION - RIGHT BRIDGE (LEFT SIMILAR) SECTION A & B								
X601	1	9'-10"	15	STR				
X501	1	9'-8"	10	STR				
X502	1	10'-5"	11	STR				
X503	2	12'-3"	26	STR				
X504	2	12'-10"	27	STR				
X505	8	10'-0"	84	STR				
X506	4	5'-9"	24	25	1'-10"	2'-5"	1'-5"	
X507	4	5'-8"	23	STR				
Y601	10	2'-9"	42	1	1'-0"	1'-11"		
Y602	10	3'-7"	54	28	1'-11"	1'-0"		
Y603	2	5'-2"	16	1	1'-0"	4'-4"		
Y604	2	5'-1"	16	1	1'-0"	4'-3"		
Y605	2	5'-0"	15	1	1'-0"	4'-2"		
Y606	2	4'-11"	15	1	1'-0"	4'-1"		
Y607	2	4'-10"	15	1	1'-0"	4'-0"		
Y608	2	4'-9"	15	1	1'-0"	3'-11"		
Y609	2	4'-8"	14	1	1'-0"	3'-10"		
Y610	2	4'-7"	14	1	1'-0"	3'-9"		
Y611	2	4'-6"	14	1	1'-0"	3'-8"		
Y612	2	4'-5"	14	1	1'-0"	3'-7"		
Y613	2	4'-4"	13	1	1'-0"	3'-6"		
Y614	8	4'-3"	51	1	1'-0"	3'-5"		
Y501	10	7'-4"	77	23	0'-11"	3'-3"	3'-0"	
TOTAL			605					
TOTAL FOR A & B			1,210					

MARK	NO.	LENGTH	WEIGHT	TYPE	A	B	C	D
CONCRETE DECK EDGE AND ABUTMENT DOWEL BAR - RIGHT BRIDGE (LEFT SIMILAR)								
H501	28	17'-3"	504	STR				
K501	14	12'-7"	184	STR				
F801	28	30'-10"	2,305	16	30'-0"			
G801	14	38'-0"	1,420	STR				
J801	28	29'-6"	2,205	STR				
A801	82	6'-4"	1,387	13	4'-0"	10 1/2"	10 1/2"	1'-2"
	TOTAL		8,005					
TOTAL (RIGHT AND LEFT BRIDGE)			16,010					

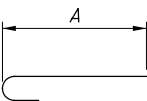
MARK	NO.	LENGTH	WEIGHT	TYPE	A	B	C	D
CONCRETE BARRIER END SECTION - RIGHT BRIDGE (LEFT SIMILAR) SECTION C & D								
X602	1	11'-1"	17	STR				
X505	8	10'-0"	84	STR				
X506	4	5'-9"	24	25	1'-10"	2'-5"	1'-5"	
X507	4	5'-8"	24	STR				
X508	1	10'-8"	11	STR				
X509	1	11'-3"	12	STR				
X510	2	13'-0"	27	STR				
X511	2	13'-8"	28	STR				
Y601	10	2'-9"	42	1	1'-0"	1'-11"		
Y602	10	3'-7"	54	28	1'-11"	1'-0"		
Y603	2	5'-2"	16	1	1'-0"	4'-4"		
Y604	2	5'-1"	16	1	1'-0"	4'-3"		
Y605	2	5'-0"	15	1	1'-0"	4'-2"		
Y606	2	4'-11"	15	1	1'-0"	4'-1"		
Y607	2	4'-10"	15	1	1'-0"	4'-0"		
Y608	2	4'-9"	15	1	1'-0"	3'-11"		
Y609	2	4'-8"	14	1	1'-0"	3'-10"		
Y610	2	4'-7"	14	1	1'-0"	3'-9"		
Y611	2	4'-6"	14	1	1'-0"	3'-8"		
Y612	2	4'-5"	14	1	1'-0"	3'-7"		
Y613	2	4'-4"	13	1	1'-0"	3'-6"		
Y614	8	4'-3"	51	1	1'-0"	3'-5"		
Y501	10	7'-4"	77	23	0'-11"	3'-3"	3'-0"	
	TOTAL		612					
TOTAL FOR C & D			1,224					
TOTAL FOR A & B			1,210					
TOTAL FOR RIGHT BRIDGE			2,434					
TOTAL BOTH BRIDGES			4,868					



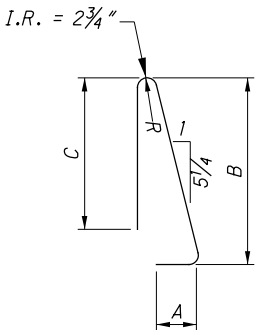
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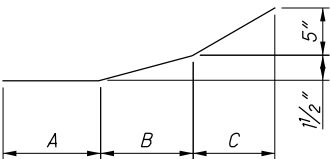
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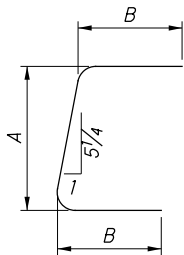
TYPE-16



TYPE-23



TYPE-25



TYPE-28